Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
Data File : VY017544.D
Acq On : 01 Mar 2024 11:07
Operator : SY/MD
Sample : VY0301SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0301SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2024
Supervised By :Mahesh Dadoda 03/04/2024

Quant Time: Mar 02 00:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
Quant Title : SW846 8260
QLast Update : Sat Feb 24 04:41:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	128366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	200881	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	172239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66571	54.721	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.440%			
35) Dibromofluoromethane	7.728	113	78683	56.210	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.420%			
50) Toluene-d8	10.191	98	298248	60.939	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.880%			
62) 4-Bromofluorobenzene	12.489	95	88700	57.668	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	20139	21.268	ug/l	99
3) Chloromethane	2.119	50	36683	21.203	ug/l	95
4) Vinyl Chloride	2.259	62	43581	19.635	ug/l	99
5) Bromomethane	2.656	94	40014	22.122	ug/l	96
6) Chloroethane	2.802	64	29285	20.915	ug/l	97
7) Trichlorofluoromethane	3.131	101	46852	20.711	ug/l	95
8) Diethyl Ether	3.540	74	13699	20.647	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.912	101	28482	21.889	ug/l	97
10) Methyl Iodide	4.107	142	29933	20.498	ug/l	98
11) Tert butyl alcohol	4.979	59	9516	92.085	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	26171	21.582	ug/l	98
13) Acrolein	3.747	56	13880	101.795	ug/l	97
14) Allyl chloride	4.497	41	30243	20.641	ug/l	98
15) Acrylonitrile	5.186	53	26471	97.054	ug/l	99
16) Acetone	3.973	43	24879	105.436	ug/l	96
17) Carbon Disulfide	4.210	76	72042	19.793	ug/l	98
18) Methyl Acetate	4.497	43	10177	17.778	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	57179	20.230	ug/l	96
20) Methylene Chloride	4.729	84	43250	28.884	ug/l	98
21) trans-1,2-Dichloroethene	5.235	96	29935	21.084	ug/l	98
22) Diisopropyl ether	6.131	45	73913	21.861	ug/l	97
23) Vinyl Acetate	6.076	43	206531	102.509	ug/l	96
24) 1,1-Dichloroethane	6.033	63	50460	21.845	ug/l	97
25) 2-Butanone	7.009	43	33745	100.348	ug/l	97
26) 2,2-Dichloropropane	6.990	77	42039	21.646	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	33770	21.184	ug/l	98
28) Bromochloromethane	7.350	49	18196	20.002	ug/l	98
29) Tetrahydrofuran	7.362	42	18879	93.132	ug/l	99
30) Chloroform	7.521	83	53648	21.814	ug/l	97
31) Cyclohexane	7.801	56	40597	20.505	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	46303	21.686	ug/l	98
36) 1,1-Dichloropropene	7.929	75	40139	21.253	ug/l	99
37) Ethyl Acetate	7.094	43	14401	19.306	ug/l #	95
38) Carbon Tetrachloride	7.911	117	41402	21.873	ug/l	98
39) Methylcyclohexane	9.197	83	46288	20.394	ug/l	96
40) Benzene	8.173	78	120411	21.468	ug/l	100

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Quant Title : SW846 8260
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Response via : Initial Calibration

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Reviewed By :Semsettin Yesilyurt 03/04/2024
Supervised By :Mahesh Dadoda 03/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.326	41	6419	17.148	ug/l	#	82
42) 1,2-Dichloroethane	8.246	62	28790	21.038	ug/l		98
43) Isopropyl Acetate	8.283	43	25346	19.336	ug/l		97
44) Trichloroethene	8.947	130	34288	21.210	ug/l		97
45) 1,2-Dichloropropane	9.228	63	28514	21.368	ug/l		98
46) Dibromomethane	9.313	93	15908	20.831	ug/l		98
47) Bromodichloromethane	9.508	83	39111	21.092	ug/l		95
48) Methyl methacrylate	9.301	41	11652	19.204	ug/l		98
49) 1,4-Dioxane	9.319	88	2830	327.443	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.081	43	70006	95.826	ug/l		99
52) Toluene	10.252	92	75490	21.350	ug/l		99
53) t-1,3-Dichloropropene	10.478	75	35831	20.819	ug/l		99
54) cis-1,3-Dichloropropene	9.941	75	44293	21.180	ug/l		98
55) 1,1,2-Trichloroethane	10.654	97	22902	21.122	ug/l		97
56) Ethyl methacrylate	10.520	69	23339	19.146	ug/l		99
57) 1,3-Dichloropropane	10.801	76	36824	20.888	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.795	63	66264	105.906	ug/l		99
59) 2-Hexanone	10.843	43	50209	100.057	ug/l		100
60) Dibromochloromethane	10.996	129	27190	21.197	ug/l		98
61) 1,2-Dibromoethane	11.099	107	20150	20.166	ug/l		98
64) Tetrachloroethene	10.727	164	33909	20.511	ug/l		95
65) Chlorobenzene	11.526	112	80305	21.966	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.599	131	28868	21.077	ug/l		98
67) Ethyl Benzene	11.605	91	137412	21.432	ug/l		96
68) m/p-Xylenes	11.715	106	109614	43.509	ug/l		98
69) o-Xylene	12.038	106	50698	21.691	ug/l		96
70) Styrene	12.050	104	82529	21.272	ug/l		98
71) Bromoform	12.215	173	15537	20.471	ug/l	#	99
73) Isopropylbenzene	12.337	105	130753	22.546	ug/l		100
74) N-amyl acetate	12.154	43	20911	20.444	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.593	83	23738	23.837	ug/l		97
76) 1,2,3-Trichloropropane	12.642	75	15751m	21.237	ug/l		
77) Bromobenzene	12.617	156	31015	22.084	ug/l		96
78) n-propylbenzene	12.678	91	160837	23.114	ug/l		99
79) 2-Chlorotoluene	12.764	91	87049	22.344	ug/l		98
80) 1,3,5-Trimethylbenzene	12.825	105	105595	22.727	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.386	75	6910	21.408	ug/l		96
82) 4-Chlorotoluene	12.867	91	89061	22.350	ug/l		98
83) tert-Butylbenzene	13.087	119	93298	22.868	ug/l		97
84) 1,2,4-Trimethylbenzene	13.129	105	101772	22.188	ug/l		99
85) sec-Butylbenzene	13.264	105	141018	22.607	ug/l		100
86) p-Isopropyltoluene	13.379	119	113288	22.186	ug/l		100
87) 1,3-Dichlorobenzene	13.373	146	60962	21.626	ug/l		99
88) 1,4-Dichlorobenzene	13.453	146	59767	21.808	ug/l		100
89) n-Butylbenzene	13.703	91	101755	21.842	ug/l		100
90) Hexachloroethane	13.971	117	23390	22.848	ug/l		99
91) 1,2-Dichlorobenzene	13.751	146	52030	21.821	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2789	19.921	ug/l		99
93) 1,2,4-Trichlorobenzene	15.019	180	25538	20.277	ug/l		99
94) Hexachlorobutadiene	15.123	225	16960	21.811	ug/l		99
95) Naphthalene	15.245	128	39154	18.702	ug/l		100
96) 1,2,3-Trichlorobenzene	15.434	180	22161	20.511	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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