Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
Data File : VY016426.D
Acq On : 20 Nov 2023 16:03
Operator : SY/MD
Sample : VY1120SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 05:14:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBSD02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
11/21/2023
Supervised By :Semsettin Yesilyurt
11/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	151823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	249328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	218039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	106206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	71052	51.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.400%			
35) Dibromofluoromethane	7.728	113	76221	53.815	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.191	98	288676	50.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.495	95	97992	52.531	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	27981	18.822	ug/l	98
3) Chloromethane	2.119	50	29866	17.154	ug/l	95
4) Vinyl Chloride	2.259	62	31483	16.816	ug/l	93
5) Bromomethane	2.656	94	19843	16.128	ug/l	97
6) Chloroethane	2.802	64	21002	17.581	ug/l	100
7) Trichlorofluoromethane	3.137	101	54398	19.972	ug/l	99
8) Diethyl Ether	3.540	74	17313	21.268	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.918	101	32643	19.898	ug/l	97
10) Methyl Iodide	4.107	142	34474	19.457	ug/l	97
11) Tert butyl alcohol	4.972	59	11777	108.384	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	29245	19.062	ug/l	83
13) Acrolein	3.747	56	12305	93.886	ug/l	98
14) Allyl chloride	4.491	41	39363	18.080	ug/l #	91
15) Acrylonitrile	5.180	53	35607	110.218	ug/l	96
16) Acetone	3.954	43	35249	153.573	ug/l #	88
17) Carbon Disulfide	4.210	76	74374	16.067	ug/l	99
18) Methyl Acetate	4.491	43	25941	21.269	ug/l #	88
19) Methyl tert-butyl Ether	5.234	73	79014	21.279	ug/l	98
20) Methylene Chloride	4.728	84	52341	30.954	ug/l #	88
21) trans-1,2-Dichloroethene	5.234	96	33179	18.783	ug/l	91
22) Diisopropyl ether	6.131	45	92596	19.735	ug/l	88
23) Vinyl Acetate	6.076	43	225623	99.240	ug/l #	91
24) 1,1-Dichloroethane	6.033	63	57883	19.997	ug/l	95
25) 2-Butanone	6.996	43	50272	125.046	ug/l	93
26) 2,2-Dichloropropane	6.996	77	55438	21.043	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	38752	20.356	ug/l	91
28) Bromochloromethane	7.344	49	21210	19.798	ug/l #	82
29) Tetrahydrofuran	7.368	42	27693	104.216	ug/l #	86
30) Chloroform	7.521	83	62643	20.791	ug/l	97
31) Cyclohexane	7.801	56	46952	17.186	ug/l	85
32) 1,1,1-Trichloroethane	7.716	97	57301	20.747	ug/l	96
36) 1,1-Dichloropropene	7.929	75	46833	19.043	ug/l	95
37) Ethyl Acetate	7.088	43	20317	20.446	ug/l #	92
38) Carbon Tetrachloride	7.917	117	78024	30.568	ug/l	97
39) Methylcyclohexane	9.197	83	54169	17.676	ug/l	91
40) Benzene	8.173	78	135203	19.567	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.332	41	9731m	19.422 ug/l		
42) 1,2-Dichloroethane	8.246	62	37676	21.044 ug/l		92
43) Isopropyl Acetate	8.283	43	38834	20.218 ug/l	#	88
44) Trichloroethene	8.953	130	39758	20.021 ug/l		94
45) 1,2-Dichloropropane	9.228	63	33361	20.104 ug/l		97
46) Dibromomethane	9.319	93	18964	21.089 ug/l		98
47) Bromodichloromethane	9.508	83	48812	21.114 ug/l		96
48) Methyl methacrylate	9.301	41	20299	19.122 ug/l	#	80
49) 1,4-Dioxane	9.313	88	4427	463.720 ug/l	#	55
51) 4-Methyl-2-Pentanone	10.081	43	102084	105.100 ug/l		88
52) Toluene	10.258	92	87265	19.979 ug/l		95
53) t-1,3-Dichloropropene	10.477	75	47304	21.107 ug/l		100
54) cis-1,3-Dichloropropene	9.941	75	55041	20.562 ug/l	#	87
55) 1,1,2-Trichloroethane	10.654	97	27887	22.500 ug/l		92
56) Ethyl methacrylate	10.520	69	25635	21.911 ug/l	#	83
57) 1,3-Dichloropropane	10.801	76	47752	22.602 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.795	63	87796	110.668 ug/l		95
59) 2-Hexanone	10.843	43	82224	113.808 ug/l		86
60) Dibromochloromethane	10.996	129	35911	23.167 ug/l		99
61) 1,2-Dibromoethane	11.099	107	26129	22.128 ug/l		100
64) Tetrachloroethene	10.733	164	41244	21.067 ug/l		97
65) Chlorobenzene	11.532	112	95980	20.603 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.605	131	38112	22.181 ug/l	#	77
67) Ethyl Benzene	11.605	91	297695	35.558 ug/l	#	82
68) m/p-Xylenes	11.715	106	129436	40.762 ug/l		93
69) o-Xylene	12.044	106	60494m	20.519 ug/l		
70) Styrene	12.056	104	90578	21.456 ug/l		91
71) Bromoform	12.221	173	21256	23.842 ug/l	#	100
73) Isopropylbenzene	12.343	105	192344	22.365 ug/l		94
74) N-amyl acetate	12.154	43	34216	19.807 ug/l	#	82
75) 1,1,2,2-Tetrachloroethane	12.593	83	30047	21.772 ug/l		71
76) 1,2,3-Trichloropropane	12.636	75	22112m	21.704 ug/l		
77) Bromobenzene	12.623	156	39858	20.505 ug/l		90
78) n-propylbenzene	12.684	91	195876	19.272 ug/l		98
79) 2-Chlorotoluene	12.770	91	108791	19.423 ug/l		98
80) 1,3,5-Trimethylbenzene	12.825	105	136401	19.671 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.392	75	11151	23.757 ug/l	#	84
82) 4-Chlorotoluene	12.867	91	113377	19.589 ug/l		99
83) tert-Butylbenzene	13.087	119	123974	20.298 ug/l	#	1
84) 1,2,4-Trimethylbenzene	13.135	105	134794	19.742 ug/l		97
85) sec-Butylbenzene	13.263	105	171396	19.643 ug/l		100
86) p-Isopropyltoluene	13.379	119	177595	23.637 ug/l		91
87) 1,3-Dichlorobenzene	13.379	146	75305	20.137 ug/l		99
88) 1,4-Dichlorobenzene	13.459	146	76740	20.998 ug/l		99
89) n-Butylbenzene	13.709	91	136771	19.712 ug/l		97
90) Hexachloroethane	13.977	117	29492	20.349 ug/l		91
91) 1,2-Dichlorobenzene	13.751	146	66961	20.896 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	5557	25.309 ug/l		97
93) 1,2,4-Trichlorobenzene	15.019	180	41542	22.210 ug/l		96
94) Hexachlorobutadiene	15.123	225	24884	23.221 ug/l		96
95) Naphthalene	15.251	128	80490	24.060 ug/l		99
96) 1,2,3-Trichlorobenzene	15.440	180	35822	23.154 ug/l		98

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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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