Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
Data File : VY016757.D
Acq On : 21 Dec 2023 15:19
Operator : SY/MD
Sample : VY1221SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1221SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/22/2023
Supervised By :Semsettin Yesilyurt 12/22/2023

Quant Time: Dec 22 00:43:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	150687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	257932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	222004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	72551	52.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.480%			
35) Dibromofluoromethane	7.728	113	74677	50.543	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.080%			
50) Toluene-d8	10.191	98	274015	51.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.489	95	88151	51.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	28813	22.375	ug/l	93
3) Chloromethane	2.119	50	42689	21.566	ug/l	99
4) Vinyl Chloride	2.260	62	47347	21.176	ug/l	97
5) Bromomethane	2.656	94	35314	22.176	ug/l	100
6) Chloroethane	2.802	64	32576	21.502	ug/l	98
7) Trichlorofluoromethane	3.137	101	55825	21.433	ug/l	97
8) Diethyl Ether	3.540	74	18416	22.103	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	35008	21.911	ug/l	100
10) Methyl Iodide	4.101	142	32541	19.545	ug/l	99
11) Tert butyl alcohol	4.972	59	14297	126.760	ug/l #	75
12) 1,1-Dichloroethene	3.887	96	30641	21.539	ug/l	99
13) Acrolein	3.741	56	12378	142.238	ug/l	97
14) Allyl chloride	4.491	41	47833	21.953	ug/l	99
15) Acrylonitrile	5.174	53	42196	119.588	ug/l	99
16) Acetone	3.960	43	49714	133.647	ug/l	98
17) Carbon Disulfide	4.210	76	78160	20.193	ug/l	99
18) Methyl Acetate	4.497	43	32102	22.083	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	80242	21.922	ug/l	99
20) Methylene Chloride	4.729	84	44929	21.580	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	35206	21.700	ug/l	97
22) Diisopropyl ether	6.131	45	110904	22.498	ug/l	97
23) Vinyl Acetate	6.076	43	258511	110.881	ug/l	100
24) 1,1-Dichloroethane	6.027	63	65476	22.111	ug/l	99
25) 2-Butanone	6.996	43	63999	124.962	ug/l	99
26) 2,2-Dichloropropane	6.990	77	54287	21.008	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	40283	21.573	ug/l	97
28) Bromochloromethane	7.350	49	23926	20.414	ug/l	99
29) Tetrahydrofuran	7.368	42	33382	119.203	ug/l	99
30) Chloroform	7.515	83	67688	22.329	ug/l	98
31) Cyclohexane	7.801	56	54910	20.834	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	57042	21.437	ug/l	99
36) 1,1-Dichloropropene	7.929	75	50853	21.469	ug/l	98
37) Ethyl Acetate	7.082	43	24991	24.615	ug/l	98
38) Carbon Tetrachloride	7.911	117	49078	20.939	ug/l	99
39) Methylcyclohexane	9.197	83	56643	20.712	ug/l	98
40) Benzene	8.173	78	147497	21.398	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.314	41	9819	18.216	ug/l	#	73
42) 1,2-Dichloroethane	8.246	62	39717	22.086	ug/l		98
43) Isopropyl Acetate	8.283	43	45850	23.252	ug/l		98
44) Trichloroethene	8.947	130	36986	21.023	ug/l		98
45) 1,2-Dichloropropane	9.228	63	37152	21.487	ug/l		96
46) Dibromomethane	9.313	93	19680	22.032	ug/l		98
47) Bromodichloromethane	9.508	83	50249	21.344	ug/l		99
48) Methyl methacrylate	9.301	41	25419	23.195	ug/l		98
49) 1,4-Dioxane	9.319	88	4299	495.867	ug/l		94
51) 4-Methyl-2-Pentanone	10.081	43	123665	117.705	ug/l		99
52) Toluene	10.252	92	89885	21.760	ug/l		99
53) t-1,3-Dichloropropene	10.471	75	47108	21.944	ug/l		97
54) cis-1,3-Dichloropropene	9.941	75	56253	21.724	ug/l		99
55) 1,1,2-Trichloroethane	10.654	97	27976	21.952	ug/l		98
56) Ethyl methacrylate	10.520	69	24945	22.259	ug/l		97
57) 1,3-Dichloropropane	10.801	76	48388	22.354	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.795	63	70293	116.599	ug/l		100
59) 2-Hexanone	10.843	43	94405	120.505	ug/l		99
60) Dibromochloromethane	10.996	129	32613	22.121	ug/l		99
61) 1,2-Dibromoethane	11.099	107	25843	22.612	ug/l		98
64) Tetrachloroethene	10.734	164	29042	21.059	ug/l		99
65) Chlorobenzene	11.526	112	92078	21.110	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.599	131	34688	21.137	ug/l		100
67) Ethyl Benzene	11.605	91	167009	20.803	ug/l		98
68) m/p-Xylenes	11.715	106	125501	42.333	ug/l		100
69) o-Xylene	12.038	106	58132	21.374	ug/l		98
70) Styrene	12.057	104	85327	21.202	ug/l		99
71) Bromoform	12.221	173	17310	21.157	ug/l	#	94
73) Isopropylbenzene	12.337	105	157126	21.426	ug/l		100
74) N-amyl acetate	12.154	43	34982	22.730	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.593	83	33416	22.802	ug/l		98
76) 1,2,3-Trichloropropane	12.642	75	21441m	20.598	ug/l		
77) Bromobenzene	12.617	156	33785	21.118	ug/l		95
78) n-propylbenzene	12.678	91	194029	21.837	ug/l		99
79) 2-Chlorotoluene	12.764	91	105243	21.406	ug/l		100
80) 1,3,5-Trimethylbenzene	12.825	105	127340	21.936	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.386	75	9821	22.158	ug/l		95
82) 4-Chlorotoluene	12.861	91	110756	21.959	ug/l		99
83) tert-Butylbenzene	13.081	119	110971	21.977	ug/l		99
84) 1,2,4-Trimethylbenzene	13.130	105	123718	21.613	ug/l		100
85) sec-Butylbenzene	13.264	105	164208	21.956	ug/l		99
86) p-Isopropyltoluene	13.379	119	133265	21.396	ug/l		100
87) 1,3-Dichlorobenzene	13.379	146	66784	21.360	ug/l		100
88) 1,4-Dichlorobenzene	13.453	146	66302	21.717	ug/l		99
89) n-Butylbenzene	13.703	91	127897	21.481	ug/l		100
90) Hexachloroethane	13.971	117	27245	21.007	ug/l		100
91) 1,2-Dichlorobenzene	13.751	146	56605	21.252	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4443	23.388	ug/l		91
93) 1,2,4-Trichlorobenzene	15.019	180	29271	20.711	ug/l		97
94) Hexachlorobutadiene	15.123	225	17000	21.178	ug/l		97
95) Naphthalene	15.245	128	55860	20.634	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	24921	20.704	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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