Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
Data File : VD074622.D
Acq On : 21 Oct 2022 18:11
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 23:12:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:41:20 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	83143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	134076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	109509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	54175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27998	44.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.220%			
35) Dibromofluoromethane	7.804	113	35417	47.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.260%			
50) Toluene-d8	10.269	98	118930	44.318	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.640%			
62) 4-Bromofluorobenzene	12.569	95	36664	47.390	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	29386	45.534	ug/l	93
3) Chloromethane	2.146	50	44415	50.839	ug/l	92
4) Vinyl Chloride	2.281	62	47762	49.438	ug/l	93
5) Bromomethane	2.687	94	32302	44.151	ug/l	93
6) Chloroethane	2.834	64	34771	52.348	ug/l	93
7) Trichlorofluoromethane	3.175	101	68018	49.669	ug/l	93
8) Diethyl Ether	3.593	74	19397	48.910	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	44498	50.388	ug/l	99
10) Methyl Iodide	4.158	142	48466	42.771	ug/l	98
11) Tert butyl alcohol	5.040	59	10556	129.539	ug/l	98
12) 1,1-Dichloroethene	3.940	96	43819	49.608	ug/l	94
13) Acrolein	3.799	56	20007	294.281	ug/l	99
14) Allyl chloride	4.563	41	44697	46.858	ug/l	97
15) Acrylonitrile	5.258	53	38563	237.921	ug/l	100
16) Acetone	4.022	43	26357	190.144	ug/l	96
17) Carbon Disulfide	4.275	76	101455	41.975	ug/l	98
18) Methyl Acetate	4.558	43	17186	45.741	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	88111	51.048	ug/l	94
20) Methylene Chloride	4.799	84	52558	49.185	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	48761	49.520	ug/l	92
22) Diisopropyl ether	6.216	45	104153	54.109	ug/l	96
23) Vinyl Acetate	6.157	43	187084	222.262	ug/l	93
24) 1,1-Dichloroethane	6.110	63	75894	50.801	ug/l	99
25) 2-Butanone	7.087	43	39153	211.228	ug/l	93
26) 2,2-Dichloropropane	7.075	77	68227	47.783	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	56864	52.067	ug/l	96
28) Bromochloromethane	7.422	49	22273	55.060	ug/l	95
29) Tetrahydrofuran	7.446	42	23484	232.289	ug/l	97
30) Chloroform	7.593	83	85494	53.184	ug/l	99
31) Cyclohexane	7.881	56	56824	44.563	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	75480	51.203	ug/l	98
36) 1,1-Dichloropropene	8.004	75	60269	50.038	ug/l	97
37) Ethyl Acetate	7.163	43	17581	46.264	ug/l	96
38) Carbon Tetrachloride	7.987	117	61818	52.413	ug/l	97
39) Methylcyclohexane	9.275	83	72377	50.292	ug/l	93
40) Benzene	8.252	78	187159	52.357	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.399	41	10831	52.899	ug/l		95
42) 1,2-Dichloroethane	8.328	62	42391	51.389	ug/l		99
43) Isopropyl Acetate	8.363	43	35317	50.007	ug/l		98
44) Trichloroethene	9.028	130	56340	53.800	ug/l		95
45) 1,2-Dichloropropane	9.304	63	42329	53.958	ug/l		96
46) Dibromomethane	9.393	93	23817	52.613	ug/l		98
47) Bromodichloromethane	9.587	83	62622	55.912	ug/l		92
48) Methyl methacrylate	9.381	41	16390	50.780	ug/l		96
49) 1,4-Dioxane	9.387	88	5082	1140.662	ug/l		94
51) 4-Methyl-2-Pentanone	10.157	43	81908	233.168	ug/l		97
52) Toluene	10.334	92	114846	52.095	ug/l		99
53) t-1,3-Dichloropropene	10.551	75	48262	49.010	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	60430	48.670	ug/l		98
55) 1,1,2-Trichloroethane	10.734	97	31082	49.974	ug/l		98
56) Ethyl methacrylate	10.598	69	33721	49.599	ug/l		98
57) 1,3-Dichloropropane	10.881	76	48577	48.145	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	36390	209.069	ug/l		99
59) 2-Hexanone	10.922	43	54028	225.335	ug/l		99
60) Dibromochloromethane	11.075	129	38808	51.767	ug/l		100
61) 1,2-Dibromoethane	11.181	107	28563	50.309	ug/l		99
64) Tetrachloroethene	10.810	164	41354	51.089	ug/l		95
65) Chlorobenzene	11.604	112	124526	53.985	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.681	131	44216	55.793	ug/l		97
67) Ethyl Benzene	11.681	91	218360	54.363	ug/l		98
68) m/p-Xylenes	11.792	106	176895	110.762	ug/l		97
69) o-Xylene	12.122	106	82998	55.840	ug/l		97
70) Styrene	12.134	104	143462	57.312	ug/l		98
71) Bromoform	12.298	173	22859	54.939	ug/l	#	99
73) Isopropylbenzene	12.422	105	223886	52.990	ug/l		99
74) N-amyl acetate	12.234	43	29562	47.337	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.669	83	33644	50.301	ug/l		97
76) 1,2,3-Trichloropropane	12.722	75	20243m	42.793	ug/l		
77) Bromobenzene	12.698	156	51571	54.082	ug/l		93
78) n-propylbenzene	12.763	91	266495	53.372	ug/l		100
79) 2-Chlorotoluene	12.845	91	141206	52.201	ug/l		97
80) 1,3,5-Trimethylbenzene	12.904	105	184212	53.710	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.469	75	7855	42.435	ug/l		99
82) 4-Chlorotoluene	12.945	91	144907	52.141	ug/l		98
83) tert-Butylbenzene	13.163	119	166521	54.426	ug/l		99
84) 1,2,4-Trimethylbenzene	13.210	105	182638	54.114	ug/l		98
85) sec-Butylbenzene	13.345	105	247237	53.848	ug/l		98
86) p-Isopropyltoluene	13.457	119	207789	54.022	ug/l		99
87) 1,3-Dichlorobenzene	13.457	146	104296	52.633	ug/l		100
88) 1,4-Dichlorobenzene	13.534	146	101550	52.349	ug/l		99
89) n-Butylbenzene	13.787	91	187438	53.488	ug/l		98
90) Hexachloroethane	14.051	117	35606	53.183	ug/l		98
91) 1,2-Dichlorobenzene	13.828	146	89117	53.913	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4348	47.005	ug/l		99
93) 1,2,4-Trichlorobenzene	15.098	180	58136	53.316	ug/l		98
94) Hexachlorobutadiene	15.204	225	32212	53.698	ug/l		100
95) Naphthalene	15.328	128	101675	49.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.516	180	50138	53.640	ug/l		100

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

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