Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
Data File : VD078319.D
Acq On : 02 Feb 2024 10:36
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025236

Quant Time: Feb 03 00:17:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	207383	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	199012	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	97457	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	141722	24.087	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.360%			
7) Chloroethane-d5	2.799	69	116138	23.482	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.920%			
11) 1,1-Dichloroethene-d2	3.916	65	30468	23.983	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 95.920%			
21) 2-Butanone-d5	6.993	46	38275	44.183	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.360%			
24) Chloroform-d	7.569	84	140557	23.771	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.080%			
26) 1,2-Dichloroethane-d4	8.234	65	76580	23.999	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.000%			
32) Benzene-d6	8.198	84	289146	24.848	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.400%			
36) 1,2-Dichloropropane-d6	9.216	67	86405	24.119	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.480%			
41) Toluene-d8	10.269	98	262349	25.100	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.400%			
43) trans-1,3-Dichloroprop...	10.528	79	39514	24.702	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.800%			
47) 2-Hexanone-d5	10.881	63	36483	50.193	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.380%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	82291	24.720	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.880%			
66) 1,2-Dichlorobenzene-d4	13.816	152	82354	23.604	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	109835	26.861	ug/L	98
3) Chloromethane	2.152	50	164808	27.713	ug/L	98
5) Vinyl chloride	2.281	62	197048	26.799	ug/L	94
6) Bromomethane	2.693	94	83893	25.167	ug/L	97
8) Chloroethane	2.840	64	126161	26.950	ug/L	99
9) Trichlorofluoromethane	3.169	101	146342	27.998	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	89809	27.612	ug/L	99
12) 1,1-Dichloroethene	3.940	96	80070	26.599	ug/L	95
13) Acetone	4.022	43	56460	49.639	ug/L	96
14) Carbon disulfide	4.269	76	297444	26.808	ug/L	100
15) Methyl Acetate	4.563	43	42300	24.820	ug/L #	83
16) Methylene chloride	4.805	84	96535	23.735	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	89623	27.019	ug/L	89
18) Methyl tert-butyl Ether	5.322	73	201387	26.103	ug/L	98
19) 1,1-Dichloroethane	6.116	63	157101	27.066	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	96756	26.615	ug/L	98
22) 2-Butanone	7.081	43	66746	48.465	ug/L	99
23) Bromochloromethane	7.428	128	44631	27.793	ug/L	92
25) Chloroform	7.598	83	171070	27.009	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	106612	26.209	ug/L	96
29) Cyclohexane	7.881	56	135973	30.225	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	137634	28.213	ug/L	98
31) Carbon tetrachloride	7.993	117	120884	28.129	ug/L	98
33) Benzene	8.251	78	375837	28.026	ug/L	100
34) Trichloroethene	9.028	95	90371	26.682	ug/L	91
35) Methylcyclohexane	9.275	83	159402	30.077	ug/L	97
37) 1,2-Dichloropropane	9.304	63	97505	27.593	ug/L	100
38) Bromodichloromethane	9.587	83	126245	27.382	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	152099	27.652	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	120803	55.045	ug/L	97
42) Toluene	10.334	91	399182	28.610	ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	131667	27.360	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	77093	27.370	ug/L	97
46) Tetrachloroethene	10.810	164	66419	28.559	ug/L	97
48) 2-Hexanone	10.922	43	100020	55.874	ug/L	96
49) Dibromochloromethane	11.075	129	84295	26.629	ug/L	98
50) 1,2-Dibromoethane	11.181	107	74542	27.130	ug/L	96
51) Chlorobenzene	11.610	112	249200	27.585	ug/L	98
52) Ethylbenzene	11.686	91	429252	28.640	ug/L	98
53) m,p-Xylene	11.792	106	163263	28.344	ug/L	91
54) o-Xylene	12.122	106	159060	28.636	ug/L	93
55) Styrene	12.134	104	288670	28.810	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	97565	27.034	ug/L	97
59) Bromoform	12.298	173	51536	26.356	ug/L	95
60) Isopropylbenzene	12.422	105	418978	28.452	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	63748	25.644	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	325667	28.273	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	322643	28.280	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	177121	26.954	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	182328	26.503	ug/L	97
67) 1,2-Dichlorobenzene	13.833	146	165919	26.693	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	14236	25.847	ug/L	100
69) 1,3,5-Trichlorobenzene	14.592	180	107066	26.445	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	93296	26.661	ug/L	99
71) Naphthalene	15.333	128	217112	26.501	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	86458	26.466	ug/L	99

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

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