Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022824\
Data File : VD078568.D
Acq On : 28 Feb 2024 17:07
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025244

Quant Time: Feb 28 23:06:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022724SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Feb 28 23:05:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	180849	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	187364	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	98250	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	147725	21.771	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.080%			
7) Chloroethane-d5	2.805	69	136325	22.745	ug/L	0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.960%			
11) 1,1-Dichloroethene-d2	3.916	65	25977	23.334	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 93.320%			
21) 2-Butanone-d5	6.987	46	29976	57.973	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 115.940%			
24) Chloroform-d	7.569	84	136442	27.002	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 108.000%			
26) 1,2-Dichloroethane-d4	8.228	65	67835	27.724	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.880%			
32) Benzene-d6	8.198	84	278148	25.925	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 103.720%			
36) 1,2-Dichloropropane-d6	9.216	67	81137	25.576	ug/L	0.01
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.320%			
41) Toluene-d8	10.269	98	254306	25.654	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.600%			
43) trans-1,3-Dichloroprop...	10.522	79	34376	25.970	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.880%			
47) 2-Hexanone-d5	10.875	63	30693	64.398	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 128.800%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	75449	28.487	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.960%			
66) 1,2-Dichlorobenzene-d4	13.816	152	85535	24.779	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	86156	26.190	ug/L	98
3) Chloromethane	2.146	50	115163	23.982	ug/L	99
5) Vinyl chloride	2.287	62	178748	23.820	ug/L	96
6) Bromomethane	2.693	94	134390	33.226	ug/L	96
8) Chloroethane	2.840	64	123630	24.912	ug/L	100
9) Trichlorofluoromethane	3.175	101	115873	26.496	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	73721	25.844	ug/L	98
12) 1,1-Dichloroethene	3.946	96	65667	26.913	ug/L	98
13) Acetone	4.028	43	32214	52.484	ug/L	64
14) Carbon disulfide	4.275	76	219273	26.783	ug/L	99
15) Methyl Acetate	4.563	43	31108	35.683	ug/L	98
16) Methylene chloride	4.805	84	85083	25.612	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	77698	28.794	ug/L	90
18) Methyl tert-butyl Ether	5.316	73	169299	32.991	ug/L #	82
19) 1,1-Dichloroethane	6.116	63	136636	30.153	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	88669	30.105	ug/L	97
22) 2-Butanone	7.087	43	43798	62.350	ug/L	99
23) Bromochloromethane	7.428	128	43343	33.143	ug/L	95
25) Chloroform	7.598	83	153873	30.082	ug/L	91

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Quant Title : SFAM01.0
QLast Update : Wed Feb 28 23:05:03 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	91971	32.621	ug/L	96
29) Cyclohexane	7.875	56	94448	26.206	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	119063	27.793	ug/L	100
31) Carbon tetrachloride	7.993	117	104561	27.365	ug/L	100
33) Benzene	8.251	78	329269	29.376	ug/L	100
34) Trichloroethene	9.028	95	81470	27.955	ug/L	95
35) Methylcyclohexane	9.275	83	120058	25.514	ug/L	100
37) 1,2-Dichloropropane	9.304	63	86042	31.195	ug/L	99
38) Bromodichloromethane	9.581	83	114517	30.447	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	134740	31.448	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	89560	70.395	ug/L	98
42) Toluene	10.334	91	360756	29.353	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	113455	30.666	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	73052	32.711	ug/L	97
46) Tetrachloroethene	10.810	164	63040	26.319	ug/L	88
48) 2-Hexanone	10.922	43	66211	62.726	ug/L	99
49) Dibromochloromethane	11.075	129	83783	31.964	ug/L	90
50) 1,2-Dibromoethane	11.181	107	70393	33.173	ug/L	92
51) Chlorobenzene	11.610	112	234556	28.975	ug/L	97
52) Ethylbenzene	11.687	91	386705	28.960	ug/L	100
53) m,p-Xylene	11.792	106	147636	28.670	ug/L	96
54) o-Xylene	12.122	106	146026	29.178	ug/L	99
55) Styrene	12.134	104	272171	30.648	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	90080	34.657	ug/L	98
59) Bromoform	12.298	173	52323	32.541	ug/L	99
60) Isopropylbenzene	12.422	105	375869	28.154	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	56504	34.048	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	293026	28.887	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	294919	29.631	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	176173	28.617	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	188806	29.132	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	166658	29.658	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	11523	33.474	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	108398	27.211	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	90846	27.325	ug/L	100
71) Naphthalene	15.333	128	193405	31.804	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	85746	29.172	ug/L	98

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

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