Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041924\
Data File : VW028497.D
Acq On : 19 Apr 2024 15:37
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025559

Quant Time: Apr 19 21:48:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 19 21:45:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	311259	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	288108	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	145477	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	87867	17.609	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 70.440%			
7) Chloroethane-d5	2.899	69	76061	20.111	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.440%			
11) 1,1-Dichloroethene-d2	4.021	65	38886	18.402	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 73.600%			
21) 2-Butanone-d5	7.081	46	58706	62.871	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 125.740%			
24) Chloroform-d	7.648	84	194536	23.951	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.800%			
26) 1,2-Dichloroethane-d4	8.307	65	110654	26.216	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.880%			
32) Benzene-d6	8.270	84	367054	23.321	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 93.280%			
36) 1,2-Dichloropropane-d6	9.270	67	112934	24.140	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.560%			
41) Toluene-d8	10.319	98	328942	22.984	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.920%			
43) trans-1,3-Dichloroprop...	10.575	79	45832	24.638	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.560%			
47) 2-Hexanone-d5	10.922	63	40958	63.203	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.400%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	99237	30.065	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 120.240%#			
66) 1,2-Dichlorobenzene-d4	13.848	152	113898	24.756	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	91181	21.781	ug/L	98
3) Chloromethane	2.223	50	107089	21.788	ug/L	97
5) Vinyl chloride	2.375	62	125118	21.375	ug/L	100
6) Bromomethane	2.789	94	79181	21.651	ug/L	99
8) Chloroethane	2.936	64	76858	21.782	ug/L	98
9) Trichlorofluoromethane	3.265	101	104521	22.384	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	96759	22.025	ug/L	96
12) 1,1-Dichloroethene	4.045	96	93565	22.683	ug/L	97
13) Acetone	4.137	43	64583	56.329	ug/L	95
14) Carbon disulfide	4.387	76	280105	20.626	ug/L	99
15) Methyl Acetate	4.673	43	51439	27.884	ug/L	99
16) Methylene chloride	4.917	84	131678	27.958	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	101174	23.285	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	157631	25.790	ug/L	99
19) 1,1-Dichloroethane	6.216	63	202977	23.976	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	111297	24.134	ug/L	97
22) 2-Butanone	7.173	43	78388	56.337	ug/L	96
23) Bromochloromethane	7.520	128	48433	24.383	ug/L	96
25) Chloroform	7.673	83	204626	24.606	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	148261	25.830	ug/L		97
29) Cyclohexane	7.959	56	178728	23.485	ug/L		100
30) 1,1,1-Trichloroethane	7.874	97	162850	23.306	ug/L		100
31) Carbon tetrachloride	8.069	117	149056	24.056	ug/L		96
33) Benzene	8.325	78	432366	24.002	ug/L		100
34) Trichloroethene	9.093	95	115281	23.615	ug/L		96
35) Methylcyclohexane	9.331	83	193978	23.286	ug/L		99
37) 1,2-Dichloropropane	9.368	63	115943	24.695	ug/L		100
38) Bromodichloromethane	9.642	83	144350	24.805	ug/L		99
39) cis-1,3-Dichloropropene	10.069	75	174711	25.376	ug/L		98
40) 4-Methyl-2-pentanone	10.209	43	151502	64.461	ug/L		99
42) Toluene	10.386	91	468528	24.552	ug/L		97
44) trans-1,3-Dichloropropene	10.605	75	146153	26.240	ug/L		98
45) 1,1,2-Trichloroethane	10.788	97	84008	26.448	ug/L		95
46) Tetrachloroethene	10.861	164	84017	23.041	ug/L		88
48) 2-Hexanone	10.965	43	116425	62.407	ug/L		98
49) Dibromochloromethane	11.123	129	92093	27.126	ug/L		97
50) 1,2-Dibromoethane	11.233	107	75660	26.098	ug/L	#	92
51) Chlorobenzene	11.654	112	287358	24.225	ug/L		99
52) Ethylbenzene	11.727	91	527322	24.376	ug/L		100
53) m,p-Xylene	11.837	106	190556	23.687	ug/L		97
54) o-Xylene	12.160	106	186812	24.940	ug/L		99
55) Styrene	12.178	104	323760	25.396	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.708	83	104011	28.935	ug/L		99
59) Bromoform	12.349	173	47559	24.767	ug/L		98
60) Isopropylbenzene	12.458	105	516543	23.684	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	74293	27.933	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	336350	24.197	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	411988	24.627	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	221355	23.920	ug/L		93
65) 1,4-Dichlorobenzene	13.574	146	225089	23.911	ug/L		95
67) 1,2-Dichlorobenzene	13.867	146	199799	24.545	ug/L		87
68) 1,2-Dibromo-3-chloropr...	14.482	75	15621	25.630	ug/L		94
69) 1,3,5-Trichlorobenzene	14.623	180	143184	22.485	ug/L		99
70) 1,2,4-trichlorobenzene	15.123	180	121591	24.451	ug/L		91
71) Naphthalene	15.360	128	250646	28.480	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	112530	25.501	ug/L		97

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

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