Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062823\
Data File : VD076624.D
Acq On : 28 Jun 2023 18:55
Operator : KP/SY
Sample : 03422-14MSD
Misc : 5.19G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46K7MSD

Quant Time: Jun 29 01:31:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	205337	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	182869	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	92799	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.264	65	112503	22.498	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.000%			
7) Chloroethane-d5	2.793	69	90309	22.335	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.320%			
11) 1,1-Dichloroethene-d2	3.911	65	31880	24.424	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 97.680%			
21) 2-Butanone-d5	6.987	46	45988	60.724	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 121.440%			
24) Chloroform-d	7.569	84	134441	24.851	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.400%			
26) 1,2-Dichloroethane-d4	8.228	65	72932	27.328	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 109.320%			
32) Benzene-d6	8.199	84	265707	23.753	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.000%			
36) 1,2-Dichloropropane-d6	9.204	67	86912	24.340	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.360%			
41) Toluene-d8	10.269	98	244342	23.590	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.360%			
43) trans-1,3-Dichloroprop...	10.522	79	38374	25.838	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.360%			
47) 2-Hexanone-d5	10.875	63	32857	59.279	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.560%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	76740	30.208	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 120.840%#			
66) 1,2-Dichlorobenzene-d4	13.816	152	79646	23.415	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	93439	29.203	ug/L	98
3) Chloromethane	2.146	50	143860	27.046	ug/L	98
5) Vinyl chloride	2.275	62	142373	24.812	ug/L	98
6) Bromomethane	2.681	94	60036	18.890	ug/L	95
8) Chloroethane	2.828	64	86813	24.699	ug/L	100
9) Trichlorofluoromethane	3.164	101	122093	29.428	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	76323	28.360	ug/L	98
12) 1,1-Dichloroethene	3.934	96	68526	25.714	ug/L	91
13) Acetone	4.022	43	34013	55.606	ug/L	86
14) Carbon disulfide	4.258	76	240743	24.921	ug/L	98
15) Methyl Acetate	4.563	43	43389	31.073	ug/L	99
16) Methylene chloride	4.799	84	79178	22.185	ug/L	90
17) trans-1,2-Dichloroethene	5.305	96	76122	25.621	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	187764	27.759	ug/L #	89
19) 1,1-Dichloroethane	6.099	63	140902	25.940	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	84399	25.436	ug/L	90
22) 2-Butanone	7.087	43	52500	53.184	ug/L	87
23) Bromochloromethane	7.422	128	38907	27.628	ug/L	90
25) Chloroform	7.593	83	140654	26.533	ug/L	96

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	91814	28.163	ug/L		99
29) Cyclohexane	7.875	56	119449	24.563	ug/L		96
30) 1,1,1-Trichloroethane	7.793	97	116192	27.351	ug/L		100
31) Carbon tetrachloride	7.987	117	95944	28.239	ug/L		99
33) Benzene	8.246	78	310458	25.651	ug/L		100
34) Trichloroethene	9.028	95	78328	25.194	ug/L		91
35) Methylcyclohexane	9.269	83	127231	25.377	ug/L		96
37) 1,2-Dichloropropane	9.304	63	82083	24.876	ug/L		98
38) Bromodichloromethane	9.581	83	103002	27.369	ug/L	#	96
39) cis-1,3-Dichloropropene	10.016	75	128789	25.561	ug/L		99
40) 4-Methyl-2-pentanone	10.157	43	117932	57.452	ug/L		98
42) Toluene	10.334	91	330287	25.537	ug/L		98
44) trans-1,3-Dichloropropene	10.551	75	112349	27.432	ug/L		97
45) 1,1,2-Trichloroethane	10.734	97	64291	28.406	ug/L		96
46) Tetrachloroethene	10.810	164	62806	25.696	ug/L		94
48) 2-Hexanone	10.922	43	84352	60.001	ug/L		99
49) Dibromochloromethane	11.075	129	74412	28.930	ug/L		97
50) 1,2-Dibromoethane	11.181	107	65164	29.664	ug/L	#	92
51) Chlorobenzene	11.604	112	207263	25.668	ug/L		95
52) Ethylbenzene	11.687	91	352241	25.267	ug/L		99
53) m,p-Xylene	11.792	106	139641	25.489	ug/L		91
54) o-Xylene	12.122	106	134202	25.727	ug/L		97
55) Styrene	12.134	104	233029	25.857	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.675	83	77676	30.030	ug/L		100
59) Bromoform	12.298	173	45562	27.426	ug/L	#	97
60) Isopropylbenzene	12.422	105	346346	24.401	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	54124	30.053	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	272702	24.013	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	271706	24.246	ug/L		98
64) 1,3-Dichlorobenzene	13.457	146	157866	25.000	ug/L		100
65) 1,4-Dichlorobenzene	13.539	146	158197	24.853	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	140793	25.028	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.451	75	12330	30.721	ug/L		98
69) 1,3,5-Trichlorobenzene	14.592	180	93895	22.292	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	85630	22.849	ug/L		99
71) Naphthalene	15.333	128	194070	27.048	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	76072	23.375	ug/L		99

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

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