

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076679.D
 Acq On : 30 Jun 2023 22:45
 Operator : KP/SY
 Sample : 03444-09MSD
 Misc : 5.88G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Q1MSD

Quant Time: Jul 03 01:33:14 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	171629	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	102499	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	29117	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	96457	23.078	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.320%
7) Chloroethane-d5	2.799	69	85085	25.176	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.720%
11) 1,1-Dichloroethene-d2	3.911	65	26889	24.646	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.600%
21) 2-Butanone-d5	6.987	46	40712	64.316	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.640%
24) Chloroform-d	7.563	84	127226	28.136	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.560%
26) 1,2-Dichloroethane-d4	8.228	65	74374	33.341	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	133.360%#
32) Benzene-d6	8.199	84	227493	36.282	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.120%#
36) 1,2-Dichloropropane-d6	9.210	67	72360	36.155	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	144.600%#
41) Toluene-d8	10.269	98	169571	29.208	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.840%
43) trans-1,3-Dichloroprop...	10.522	79	29508	35.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	141.800%#
47) 2-Hexanone-d5	10.875	63	30304	97.543	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	195.080%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	48358	33.962	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	135.840%#
66) 1,2-Dichlorobenzene-d4	13.810	152	29955	28.067	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	92339	34.527	ug/L	99
3) Chloromethane	2.140	50	127576	28.695	ug/L	97
5) Vinyl chloride	2.276	62	132099	27.543	ug/L	98
6) Bromomethane	2.687	94	66383	24.989	ug/L	100
8) Chloroethane	2.828	64	83028	28.261	ug/L	95
9) Trichlorofluoromethane	3.164	101	120085	34.628	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	58296	25.916	ug/L	98
12) 1,1-Dichloroethene	3.934	96	64790	29.087	ug/L	94
13) Acetone	4.017	43	69674	136.277	ug/L	95
14) Carbon disulfide	4.264	76	180209	22.319	ug/L	98
15) Methyl Acetate	4.558	43	35573	30.479	ug/L	99
16) Methylene chloride	4.793	84	76943	25.793	ug/L	95
17) trans-1,2-Dichloroethene	5.305	96	64730	26.066	ug/L	96
18) Methyl tert-butyl Ether	5.311	73	200578	35.478	ug/L #	76
19) 1,1-Dichloroethane	6.111	63	136743	30.118	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	78037	28.138	ug/L	97
22) 2-Butanone	7.081	43	64852	78.601	ug/L	98
23) Bromochloromethane	7.428	128	36344	30.876	ug/L	87
25) Chloroform	7.593	83	137024	30.925	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	91251	33.488	ug/L	97
29) Cyclohexane	7.875	56	73354	26.912	ug/L	90
30) 1,1,1-Trichloroethane	7.793	97	106290	44.638	ug/L	96
31) Carbon tetrachloride	7.987	117	76024	39.922	ug/L	100
33) Benzene	8.246	78	263493	38.841	ug/L	100
34) Trichloroethene	9.028	95	62472	35.849	ug/L	98
35) Methylcyclohexane	9.275	83	71072	25.291	ug/L	97
37) 1,2-Dichloropropane	9.305	63	69800	37.740	ug/L #	95
38) Bromodichloromethane	9.581	83	90195	42.757	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	96987	34.342	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	104936	91.205	ug/L	98
42) Toluene	10.334	91	237124	32.710	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	78786	34.321	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	53660	42.299	ug/L	93
46) Tetrachloroethene	10.810	164	38444	28.062	ug/L	95
48) 2-Hexanone	10.916	43	85653	108.699	ug/L	91
49) Dibromochloromethane	11.075	129	56358	39.092	ug/L	100
50) 1,2-Dibromoethane	11.181	107	51360	41.713	ug/L	92
51) Chlorobenzene	11.604	112	122413	27.047	ug/L	94
52) Ethylbenzene	11.681	91	210841	26.983	ug/L	96
53) m,p-Xylene	11.793	106	78057	25.420	ug/L	91
54) o-Xylene	12.116	106	71614	24.494	ug/L	98
55) Styrene	12.134	104	93117	18.434	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	54852	37.834	ug/L	94
59) Bromoform	12.299	173	29344	56.296	ug/L	96
60) Isopropylbenzene	12.422	105	177518	39.860	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	38800	68.663	ug/L #	87
62) 1,3,5-Trimethylbenzene	12.904	105	118454	33.244	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	108442	30.841	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	51556	26.021	ug/L #	67
65) 1,4-Dichlorobenzene	13.540	146	50313	25.192	ug/L #	60
67) 1,2-Dichlorobenzene	13.828	146	43949	24.899	ug/L #	56
68) 1,2-Dibromo-3-chloropr...	14.445	75	7264	57.682	ug/L	91
69) 1,3,5-Trichlorobenzene	14.587	180	22525	17.044	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	14538	12.364	ug/L #	5
71) Naphthalene	15.328	128	42326	18.801	ug/L #	78
72) 1,2,3-Trichlorobenzene	15.528	180	11787	11.543	ug/L #	24

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

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