

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076750.D
 Acq On : 17 Jul 2023 13:09
 Operator : KP/SY
 Sample : 03572-01 4.0ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 02:08:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	199153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	149978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89931	45.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.680%		
35) Dibromofluoromethane	7.804	113	109758	47.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.100%		
50) Toluene-d8	10.269	98	373077	45.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.360%		
62) 4-Bromofluorobenzene	12.575	95	121888	45.631	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	6522	4.188	ug/l	94
3) Chloromethane	2.146	50	10479	3.901	ug/l	94
4) Vinyl Chloride	2.281	62	13242	3.698	ug/l	98
5) Bromomethane	2.687	94	11980	4.066	ug/l	96
6) Chloroethane	2.828	64	10051	3.717	ug/l	99
7) Trichlorofluoromethane	3.163	101	11997	3.765	ug/l	98
8) Diethyl Ether	3.593	74	3922	3.575	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	7949	3.795	ug/l	92
10) Methyl Iodide	4.152	142	8095	3.428	ug/l #	86
11) Tert butyl alcohol	5.046	59	3808m	25.726	ug/l	
12) 1,1-Dichloroethene	3.928	96	7229	3.673	ug/l	98
13) Acrolein	3.805	56	2404	23.832	ug/l	93
14) Allyl chloride	4.552	41	9950	3.849	ug/l	94
15) Acrylonitrile	5.257	53	9794	18.176	ug/l	99
16) Acetone	4.022	43	8339	17.603	ug/l	88
17) Carbon Disulfide	4.269	76	17952	3.906	ug/l	97
18) Methyl Acetate	4.563	43	6353	3.569	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	19006	3.601	ug/l	100
20) Methylene Chloride	4.799	84	17684	4.513	ug/l #	88
21) trans-1,2-Dichloroethene	5.305	96	8467	3.701	ug/l	89
22) Diisopropyl ether	6.222	45	21105	3.448	ug/l	93
23) Vinyl Acetate	6.157	43	49836	16.453	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	15414	3.734	ug/l	92
25) 2-Butanone	7.075	43	13308	20.990	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	17572	4.939	ug/l	91
27) cis-1,2-Dichloroethene	7.069	96	11515	4.083	ug/l	92
28) Bromochloromethane	7.416	49	3731	3.616	ug/l #	93
29) Tetrahydrofuran	7.440	42	6501	17.354	ug/l	96
30) Chloroform	7.599	83	17194	3.803	ug/l	86
31) Cyclohexane	7.875	56	13668	4.682	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	14205	3.895	ug/l #	83
36) 1,1-Dichloropropene	8.010	75	11342	3.760	ug/l	97
37) Ethyl Acetate	7.175	43	5426m	4.023	ug/l	
38) Carbon Tetrachloride	7.987	117	10163	3.519	ug/l	95
39) Methylcyclohexane	9.269	83	11963	3.435	ug/l	89
40) Benzene	8.251	78	34828	3.660	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.434	41	4362m	5.296	ug/l	
42) 1,2-Dichloroethane	8.328	62	9688	3.918	ug/l	96
43) Isopropyl Acetate	8.363	43	9693	3.682	ug/l #	79
44) Trichloroethene	9.028	130	9751	3.760	ug/l	95
45) 1,2-Dichloropropane	9.304	63	8997	3.662	ug/l	97
46) Dibromomethane	9.393	93	5068	3.525	ug/l	97
47) Bromodichloromethane	9.581	83	13406	3.715	ug/l #	96
48) Methyl methacrylate	9.387	41	4068	3.395	ug/l #	83
49) 1,4-Dioxane	9.387	88	1298	70.456	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	23505	16.771	ug/l	94
52) Toluene	10.334	92	23834	3.813	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	11130	3.323	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	13968	3.539	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	8200	3.905	ug/l	96
56) Ethyl methacrylate	10.598	69	8211	3.388	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	12466	3.646	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	15486	16.508	ug/l	90
59) 2-Hexanone	10.922	43	16020	16.019	ug/l	93
60) Dibromochloromethane	11.075	129	8921	3.657	ug/l	95
61) 1,2-Dibromoethane	11.181	107	7216	3.707	ug/l	98
64) Tetrachloroethene	10.810	164	8446	4.473	ug/l	89
65) Chlorobenzene	11.610	112	27077	4.066	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.681	131	9252	3.731	ug/l	97
67) Ethyl Benzene	11.681	91	42210	3.609	ug/l	95
68) m/p-Xylenes	11.792	106	32173	7.162	ug/l	97
69) o-Xylene	12.122	106	16245	3.740	ug/l	94
70) Styrene	12.134	104	25918	3.408	ug/l	98
71) Bromoform	12.292	173	5581	4.110	ug/l #	99
73) Isopropylbenzene	12.422	105	38456	3.534	ug/l	99
74) N-amyl acetate	12.234	43	7518	3.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	9116	3.902	ug/l	92
76) 1,2,3-Trichloropropane	12.722	75	6505m	4.561	ug/l	
77) Bromobenzene	12.698	156	9507	3.785	ug/l	85
78) n-propylbenzene	12.763	91	48765	3.697	ug/l	94
79) 2-Chlorotoluene	12.845	91	27026	3.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	32314	3.673	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2877	4.293	ug/l	93
82) 4-Chlorotoluene	12.945	91	27786	3.677	ug/l	98
83) tert-Butylbenzene	13.169	119	29432	3.799	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	31281	3.479	ug/l	96
85) sec-Butylbenzene	13.345	105	42304	3.574	ug/l	96
86) p-Isopropyltoluene	13.463	119	33737	3.451	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	20323	3.934	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	20046	3.961	ug/l	94
89) n-Butylbenzene	13.786	91	35076	3.667	ug/l	94
90) Hexachloroethane	14.051	117	7201	3.985	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	16997	3.734	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1436	4.311	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	10915	3.928	ug/l	94
94) Hexachlorobutadiene	15.204	225	5438	4.069	ug/l	95
95) Naphthalene	15.328	128	20734	3.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	9643	3.867	ug/l	96

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

