

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075665.D
 Acq On : 13 Apr 2023 17:31
 Operator : KP/SY
 Sample : 02213-01 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: Apr 14 02:16:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 02:12:39 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	180053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	333544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	311356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	143518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94869	55.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.020%			
35) Dibromofluoromethane	7.804	113	114249	50.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.269	98	433874	48.294	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.575	95	120131	50.308	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	6635	3.966	ug/l	84
3) Chloromethane	2.146	50	15924	5.271	ug/l	95
4) Vinyl Chloride	2.275	62	18032	4.498	ug/l	96
5) Bromomethane	2.681	94	13402	4.282	ug/l	92
6) Chloroethane	2.828	64	11754	4.355	ug/l	94
7) Trichlorofluoromethane	3.169	101	13650	4.395	ug/l	100
8) Diethyl Ether	3.593	74	4278	4.425	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.958	101	8681	4.457	ug/l #	91
10) Methyl Iodide	4.157	142	9089	3.410	ug/l	89
11) Tert butyl alcohol	5.052	59	2426	28.284	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	8669	4.299	ug/l #	74
13) Acrolein	3.799	56	3322	19.201	ug/l	89
14) Allyl chloride	4.552	41	6966	3.793	ug/l #	84
15) Acrylonitrile	5.252	53	8464	23.442	ug/l #	70
16) Acetone	4.022	43	7515	24.002	ug/l #	87
17) Carbon Disulfide	4.263	76	28275	4.284	ug/l	98
18) Methyl Acetate	4.563	43	4508	4.270	ug/l #	70
19) Methyl tert-butyl Ether	5.322	73	15906	4.064	ug/l	92
20) Methylene Chloride	4.793	84	21344	7.407	ug/l #	72
21) trans-1,2-Dichloroethene	5.305	96	10196	4.245	ug/l #	66
22) Diisopropyl ether	6.222	45	16086	3.876	ug/l #	85
23) Vinyl Acetate	6.157	43	37903	19.662	ug/l #	81
24) 1,1-Dichloroethane	6.104	63	16070	4.673	ug/l #	89
25) 2-Butanone	7.081	43	9157	22.715	ug/l #	85
26) 2,2-Dichloropropane	7.069	77	14428	4.628	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	11356	4.268	ug/l	81
28) Bromochloromethane	7.422	49	4476	4.117	ug/l #	45
29) Tetrahydrofuran	7.451	42	4867	22.077	ug/l #	72
30) Chloroform	7.587	83	17478	4.483	ug/l	85
31) Cyclohexane	7.869	56	13453	5.016	ug/l #	51
32) 1,1,1-Trichloroethane	7.787	97	14820	4.662	ug/l	95
36) 1,1-Dichloropropene	8.004	75	12035	3.889	ug/l	97
37) Ethyl Acetate	7.169	43	3864	4.102	ug/l #	99
38) Carbon Tetrachloride	7.998	117	10648	3.907	ug/l #	77
39) Methylcyclohexane	9.269	83	13102	3.661	ug/l #	79
40) Benzene	8.251	78	39305	4.085	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1837	4.064	ug/l #	55
42) 1,2-Dichloroethane	8.328	62	9356	4.281	ug/l	90
43) Isopropyl Acetate	8.363	43	7037	4.097	ug/l #	75
44) Trichloroethene	9.028	130	11159	4.098	ug/l	86
45) 1,2-Dichloropropane	9.304	63	8835	4.098	ug/l	89
46) Dibromomethane	9.393	93	5689	4.159	ug/l	98
47) Bromodichloromethane	9.581	83	12597	4.026	ug/l	89
48) Methyl methacrylate	9.381	41	3093	4.042	ug/l #	66
49) 1,4-Dioxane	9.381	88	1085	79.951	ug/l #	67
51) 4-Methyl-2-Pentanone	10.163	43	16984	18.547	ug/l #	82
52) Toluene	10.334	92	24148	3.774	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	11274	3.759	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	13429	3.768	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	7877	3.977	ug/l	98
56) Ethyl methacrylate	10.598	69	6469	3.319	ug/l #	73
57) 1,3-Dichloropropane	10.875	76	12419	4.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	14416	17.222	ug/l #	88
59) 2-Hexanone	10.922	43	11202	17.398	ug/l	81
60) Dibromochloromethane	11.075	129	8971	3.871	ug/l	96
61) 1,2-Dibromoethane	11.181	107	7109	3.763	ug/l	96
64) Tetrachloroethene	10.810	164	8503	3.792	ug/l	82
65) Chlorobenzene	11.610	112	27375	4.105	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.681	131	9299	4.056	ug/l	98
67) Ethyl Benzene	11.687	91	38703	3.576	ug/l	96
68) m/p-Xylenes	11.792	106	29873	6.735	ug/l	97
69) o-Xylene	12.122	106	14128	3.523	ug/l	91
70) Styrene	12.139	104	23895	3.499	ug/l	92
71) Bromoform	12.298	173	4734	3.950	ug/l #	95
73) Isopropylbenzene	12.422	105	35360	3.754	ug/l	99
74) N-amyl acetate	12.239	43	5143	3.716	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	8675	4.741	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	5691m	4.863	ug/l	
77) Bromobenzene	12.698	156	10013	4.123	ug/l	92
78) n-propylbenzene	12.763	91	46707	4.045	ug/l	98
79) 2-Chlorotoluene	12.851	91	25902	3.955	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	29128	3.709	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	2332	4.319	ug/l #	62
82) 4-Chlorotoluene	12.945	91	26409	3.878	ug/l	94
83) tert-Butylbenzene	13.169	119	22966	3.469	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	28139	3.571	ug/l	96
85) sec-Butylbenzene	13.345	105	36795	3.602	ug/l	100
86) p-Isopropyltoluene	13.463	119	28455	3.346	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	19561	3.872	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	20750	4.158	ug/l	95
89) n-Butylbenzene	13.786	91	29518	3.769	ug/l	98
90) Hexachloroethane	14.051	117	6572	3.890	ug/l	100
91) 1,2-Dichlorobenzene	13.833	146	17297	3.997	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1303	5.312	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	8762	3.480	ug/l	92
94) Hexachlorobutadiene	15.204	225	4259	3.539	ug/l	91
95) Naphthalene	15.328	128	17208	3.608	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	8668	3.912	ug/l	95

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

