

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078927.D
 Acq On : 15 May 2024 12:35
 Operator : RP/MD
 Sample : P2403-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: May 16 02:42:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 02:40:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024
 Supervised By :Semsettin Yesilyurt 05/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	110159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	199578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57734	55.874	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.810	113	64715	48.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.420%			
50) Toluene-d8	10.269	98	240063	48.201	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.575	95	64629	46.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5931	5.762	ug/l	98
3) Chloromethane	2.152	50	9233	5.885	ug/l	94
4) Vinyl Chloride	2.287	62	14941	6.297	ug/l	93
5) Bromomethane	2.693	94	13370	5.830	ug/l	91
6) Chloroethane	2.840	64	10940	5.552	ug/l	90
7) Trichlorofluoromethane	3.181	101	10621	4.923	ug/l	98
8) Diethyl Ether	3.593	74	3012	5.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.975	101	6514	5.718	ug/l #	74
10) Methyl Iodide	4.169	142	6599	4.848	ug/l	97
11) Tert butyl alcohol	5.058	59	1184	24.046	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	5997	5.378	ug/l #	83
13) Acrolein	3.799	56	2462	23.935	ug/l #	69
14) Allyl chloride	4.564	41	5933	5.452	ug/l	97
15) Acrylonitrile	5.252	53	5910	29.590	ug/l	92
16) Acetone	4.040	43	4593m	27.878	ug/l	
17) Carbon Disulfide	4.281	76	19299	5.379	ug/l #	95
18) Methyl Acetate	4.575	43	2774	7.313	ug/l	88
19) Methyl tert-butyl Ether	5.311	73	10629	4.892	ug/l	100
20) Methylene Chloride	4.811	84	14825	8.710	ug/l #	89
21) trans-1,2-Dichloroethene	5.316	96	7234	5.820	ug/l	90
22) Diisopropyl ether	6.222	45	12193	4.954	ug/l	90
23) Vinyl Acetate	6.158	43	34179m	23.154	ug/l	
24) 1,1-Dichloroethane	6.111	63	11507	5.898	ug/l	91
25) 2-Butanone	7.081	43	6002m	27.238	ug/l	
26) 2,2-Dichloropropane	7.075	77	9908	5.779	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	7387	5.061	ug/l	92
28) Bromochloromethane	7.428	49	4529	6.961	ug/l	89
29) Tetrahydrofuran	7.452	42	3333	26.151	ug/l #	81
30) Chloroform	7.599	83	13301	6.019	ug/l	100
31) Cyclohexane	7.875	56	8312	5.506	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	10339	5.463	ug/l	93
36) 1,1-Dichloropropene	8.016	75	8491	5.136	ug/l	93
37) Ethyl Acetate	7.181	43	2612	4.636	ug/l #	64
38) Carbon Tetrachloride	7.993	117	9803	5.067	ug/l #	81
39) Methylcyclohexane	9.275	83	8421	4.192	ug/l	92
40) Benzene	8.252	78	27950	5.227	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.422	41	1351m	4.456	ug/l	
42) 1,2-Dichloroethane	8.328	62	6890	5.323	ug/l	98
43) Isopropyl Acetate	8.363	43	5302	5.304	ug/l #	57
44) Trichloroethene	9.034	130	7066	4.982	ug/l	96
45) 1,2-Dichloropropane	9.304	63	6244	5.314	ug/l	99
46) Dibromomethane	9.393	93	4409	5.700	ug/l	86
47) Bromodichloromethane	9.587	83	8661	4.651	ug/l	91
48) Methyl methacrylate	9.381	41	2128	4.373	ug/l #	89
49) 1,4-Dioxane	9.381	88	579	85.093	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	13143	24.683	ug/l	93
52) Toluene	10.334	92	17841	5.212	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7657	4.839	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	9504	5.004	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	5263	5.266	ug/l #	93
56) Ethyl methacrylate	10.599	69	4206	4.091	ug/l	91
57) 1,3-Dichloropropane	10.881	76	7713	4.956	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.869	63	11231	25.422	ug/l	100
59) 2-Hexanone	10.922	43	7878	21.256	ug/l	98
60) Dibromochloromethane	11.075	129	7078	5.195	ug/l	91
61) 1,2-Dibromoethane	11.175	107	4754	5.217	ug/l	93
64) Tetrachloroethene	10.810	164	5975	5.052	ug/l #	95
65) Chlorobenzene	11.610	112	19599	5.054	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	6994	5.217	ug/l	99
67) Ethyl Benzene	11.681	91	28817	4.620	ug/l	94
68) m/p-Xylenes	11.793	106	22104	8.717	ug/l	100
69) o-Xylene	12.122	106	9700	4.196	ug/l	97
70) Styrene	12.140	104	18089	4.415	ug/l	98
71) Bromoform	12.293	173	3984	5.188	ug/l #	91
73) Isopropylbenzene	12.422	105	23647	4.380	ug/l	98
74) N-amyl acetate	12.234	43	4407	5.030	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	5945	6.104	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	3161m	4.963	ug/l	
77) Bromobenzene	12.704	156	7248	5.105	ug/l	95
78) n-propylbenzene	12.763	91	31414	4.814	ug/l	99
79) 2-Chlorotoluene	12.851	91	17577	4.846	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	19590	4.367	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	1546	4.814	ug/l	91
82) 4-Chlorotoluene	12.945	91	18040	4.741	ug/l	99
83) tert-Butylbenzene	13.169	119	17711	4.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	19359	4.166	ug/l	97
85) sec-Butylbenzene	13.345	105	24759	4.184	ug/l	98
86) p-Isopropyltoluene	13.457	119	20889	4.051	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	14593	4.857	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	15007	5.100	ug/l	90
89) n-Butylbenzene	13.787	91	19828	4.292	ug/l	96
90) Hexachloroethane	14.051	117	5479	5.038	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	13034	5.185	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	839	6.471	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	6796	4.604	ug/l	96
94) Hexachlorobutadiene	15.210	225	3453	4.476	ug/l	89
95) Naphthalene	15.334	128	11835	4.707	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.528	180	5828	4.439	ug/l	98

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

