

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078475.D
 Acq On : 20 Feb 2024 10:47
 Operator : RP/MD
 Sample : VD0220SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Quant Time: Feb 21 05:20:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	126041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	217397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	195825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	97200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73076	53.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.240%			
35) Dibromofluoromethane	7.810	113	79636	57.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.340%			
50) Toluene-d8	10.269	98	318135	57.590	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.180%			
62) 4-Bromofluorobenzene	12.575	95	89326	55.566	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	23921	19.262	ug/l	92
3) Chloromethane	2.152	50	40701	17.834	ug/l	98
4) Vinyl Chloride	2.287	62	63061	18.108	ug/l	96
5) Bromomethane	2.693	94	50210	20.887	ug/l	98
6) Chloroethane	2.840	64	50017	19.696	ug/l	96
7) Trichlorofluoromethane	3.175	101	53283	22.681	ug/l	92
8) Diethyl Ether	3.599	74	14491	21.415	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	33783	22.795	ug/l	97
10) Methyl Iodide	4.169	142	29262	22.045	ug/l #	87
11) Tert butyl alcohol	5.069	59	7566m	99.021	ug/l	
12) 1,1-Dichloroethene	3.946	96	31356	22.821	ug/l	92
13) Acrolein	3.805	56	10485	83.280	ug/l	91
14) Allyl chloride	4.564	41	33965	20.010	ug/l	92
15) Acrylonitrile	5.263	53	29755	102.721	ug/l	96
16) Acetone	4.028	43	37229	128.340	ug/l #	86
17) Carbon Disulfide	4.269	76	89142	19.281	ug/l	99
18) Methyl Acetate	4.575	43	11750	15.110	ug/l	89
19) Methyl tert-butyl Ether	5.322	73	60257	20.641	ug/l	96
20) Methylene Chloride	4.805	84	41660	25.469	ug/l	87
21) trans-1,2-Dichloroethene	5.316	96	35886	22.201	ug/l	95
22) Diisopropyl ether	6.216	45	82155	21.959	ug/l #	91
23) Vinyl Acetate	6.158	43	208993m	129.546	ug/l	
24) 1,1-Dichloroethane	6.122	63	60036	22.653	ug/l	98
25) 2-Butanone	7.087	43	41365	111.075	ug/l	89
26) 2,2-Dichloropropane	7.081	77	52077	23.440	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	39064	22.027	ug/l	96
28) Bromochloromethane	7.434	49	20007	19.059	ug/l	90
29) Tetrahydrofuran	7.452	42	20334	100.330	ug/l	91
30) Chloroform	7.599	83	63796	22.751	ug/l	97
31) Cyclohexane	7.881	56	45091	19.559	ug/l	98
32) 1,1,1-Trichloroethane	7.799	97	55355	23.154	ug/l	99
36) 1,1-Dichloropropene	8.016	75	48922	22.805	ug/l	96
37) Ethyl Acetate	7.175	43	16011	21.291	ug/l #	91
38) Carbon Tetrachloride	7.999	117	49758	23.421	ug/l	93
39) Methylcyclohexane	9.275	83	55014	21.601	ug/l	94
40) Benzene	8.257	78	140968	22.734	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8264	21.115	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	35156	21.912	ug/l	96
43) Isopropyl Acetate	8.363	43	28867	20.730	ug/l	95
44) Trichloroethene	9.028	130	37210	23.522	ug/l	98
45) 1,2-Dichloropropane	9.310	63	33772	22.198	ug/l	98
46) Dibromomethane	9.399	93	18979	22.179	ug/l	92
47) Bromodichloromethane	9.587	83	48375	22.823	ug/l	98
48) Methyl methacrylate	9.381	41	13605	18.415	ug/l	86
49) 1,4-Dioxane	9.387	88	3985	430.008	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	79143	107.082	ug/l	93
52) Toluene	10.334	92	89152	22.736	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	41980	21.706	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	51548	21.981	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	27424	23.797	ug/l	97
56) Ethyl methacrylate	10.599	69	26001	24.395	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	42028	21.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	56791	90.459	ug/l	96
59) 2-Hexanone	10.922	43	63653	114.600	ug/l	90
60) Dibromochloromethane	11.075	129	32617	23.524	ug/l	99
61) 1,2-Dibromoethane	11.181	107	24723	22.852	ug/l	98
64) Tetrachloroethene	10.816	164	28608	23.129	ug/l	96
65) Chlorobenzene	11.610	112	93241	23.684	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	34207	23.644	ug/l	99
67) Ethyl Benzene	11.687	91	162499	23.037	ug/l	99
68) m/p-Xylenes	11.793	106	131839	47.916	ug/l	96
69) o-Xylene	12.122	106	60169	23.963	ug/l	95
70) Styrene	12.140	104	99138	24.192	ug/l	97
71) Bromoform	12.304	173	17438	22.900	ug/l #	100
73) Isopropylbenzene	12.422	105	153199	23.472	ug/l	97
74) N-amyl acetate	12.234	43	26904	21.789	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	29771	22.994	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	20206m	24.486	ug/l	
77) Bromobenzene	12.704	156	36532	23.816	ug/l	91
78) n-propylbenzene	12.763	91	197698	24.306	ug/l	95
79) 2-Chlorotoluene	12.851	91	103753	23.816	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	127462	23.518	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	9311	23.424	ug/l	93
82) 4-Chlorotoluene	12.951	91	109668	23.439	ug/l	97
83) tert-Butylbenzene	13.169	119	110171	24.104	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	127706	23.218	ug/l	98
85) sec-Butylbenzene	13.345	105	172645	24.356	ug/l	95
86) p-Isopropyltoluene	13.463	119	144043	23.858	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	76867	23.479	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	79112	24.594	ug/l	97
89) n-Butylbenzene	13.787	91	134113	23.046	ug/l	97
90) Hexachloroethane	14.051	117	29766	23.987	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	65897	23.970	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3964	23.383	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	37521	23.223	ug/l	98
94) Hexachlorobutadiene	15.204	225	21002	24.904	ug/l	99
95) Naphthalene	15.334	128	65486	21.853	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	31967	23.346	ug/l	99

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

