

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022624\
 Data File : VD078548.D
 Acq On : 26 Feb 2024 12:32
 Operator : RP/MD
 Sample : VD0226SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/27/2024
 Supervised By :Semsettin Yesilyurt 02/27/2024

Quant Time: Feb 27 03:24:55 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

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	115587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	198722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70281	56.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.460%			
35) Dibromofluoromethane	7.810	113	80189	63.525	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.060%			
50) Toluene-d8	10.269	98	305248	60.450	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.900%			
62) 4-Bromofluorobenzene	12.575	95	84911	57.784	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	18856	16.557	ug/l	94
3) Chloromethane	2.152	50	32179	15.375	ug/l	96
4) Vinyl Chloride	2.281	62	52545	16.453	ug/l	97
5) Bromomethane	2.687	94	40516	18.379	ug/l	100
6) Chloroethane	2.834	64	40787	17.514	ug/l	96
7) Trichlorofluoromethane	3.175	101	41143	19.097	ug/l	99
8) Diethyl Ether	3.599	74	11573	18.650	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	26773	19.699	ug/l	94
10) Methyl Iodide	4.164	142	23187	19.048	ug/l #	88
11) Tert butyl alcohol	5.052	59	6457	91.749	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	23108	18.339	ug/l	91
13) Acrolein	3.799	56	8300	71.887	ug/l	100
14) Allyl chloride	4.564	41	28037	18.011	ug/l	91
15) Acrylonitrile	5.258	53	25688	96.702	ug/l	97
16) Acetone	4.022	43	28682	103.381	ug/l	92
17) Carbon Disulfide	4.275	76	58033	13.687	ug/l	98
18) Methyl Acetate	4.564	43	9425	13.717	ug/l	92
19) Methyl tert-butyl Ether	5.334	73	51147	19.105	ug/l #	91
20) Methylene Chloride	4.805	84	37121	24.654	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	27727	18.705	ug/l	96
22) Diisopropyl ether	6.222	45	66125	19.273	ug/l	97
23) Vinyl Acetate	6.158	43	162288m	107.418	ug/l	
24) 1,1-Dichloroethane	6.111	63	48994	20.158	ug/l	99
25) 2-Butanone	7.087	43	35603	103.220	ug/l	90
26) 2,2-Dichloropropane	7.081	77	41337	20.288	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	32465	19.962	ug/l	98
28) Bromochloromethane	7.428	49	19760	20.527	ug/l	87
29) Tetrahydrofuran	7.452	42	16428	88.388	ug/l	92
30) Chloroform	7.599	83	52631	20.467	ug/l	97
31) Cyclohexane	7.887	56	34299	16.224	ug/l #	83
32) 1,1,1-Trichloroethane	7.799	97	45293	20.658	ug/l	97
36) 1,1-Dichloropropene	8.010	75	36744	18.737	ug/l	95
37) Ethyl Acetate	7.175	43	13090	19.042	ug/l #	97
38) Carbon Tetrachloride	7.993	117	39568	20.375	ug/l	90
39) Methylcyclohexane	9.275	83	38295	16.450	ug/l	96
40) Benzene	8.252	78	109368	19.295	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	6142m	17.168	ug/l	
42) 1,2-Dichloroethane	8.328	62	29125	19.859	ug/l	94
43) Isopropyl Acetate	8.363	43	24117	18.946	ug/l	95
44) Trichloroethene	9.028	130	29875	20.660	ug/l	99
45) 1,2-Dichloropropane	9.304	63	28215	20.288	ug/l	99
46) Dibromomethane	9.399	93	15932	20.368	ug/l	92
47) Bromodichloromethane	9.587	83	40105	20.700	ug/l	91
48) Methyl methacrylate	9.381	41	10377	15.366	ug/l	86
49) 1,4-Dioxane	9.387	88	3342	394.514	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	63912	94.600	ug/l	93
52) Toluene	10.334	92	70649	19.710	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	36757	20.792	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	43221	20.162	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	22226	21.099	ug/l	95
56) Ethyl methacrylate	10.599	69	21575	22.145	ug/l	93
57) 1,3-Dichloropropane	10.881	76	35478	19.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	57807	100.730	ug/l	97
59) 2-Hexanone	10.922	43	52457	103.318	ug/l	94
60) Dibromochloromethane	11.075	129	26490	20.900	ug/l	94
61) 1,2-Dibromoethane	11.181	107	20284	20.511	ug/l	97
64) Tetrachloroethene	10.810	164	23465	19.891	ug/l	98
65) Chlorobenzene	11.604	112	76750	20.441	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	29328	21.254	ug/l	97
67) Ethyl Benzene	11.681	91	129656	19.272	ug/l	97
68) m/p-Xylenes	11.793	106	105832	40.329	ug/l	95
69) o-Xylene	12.122	106	48541	20.270	ug/l	96
70) Styrene	12.134	104	84208	21.546	ug/l	98
71) Bromoform	12.298	173	15308	21.077	ug/l #	99
73) Isopropylbenzene	12.422	105	126633	20.154	ug/l	96
74) N-amyl acetate	12.234	43	22983	19.335	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	26274	21.080	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	16130m	20.305	ug/l	
77) Bromobenzene	12.704	156	32388	21.934	ug/l	96
78) n-propylbenzene	12.763	91	159101	20.319	ug/l	98
79) 2-Chlorotoluene	12.851	91	85272	20.333	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	108057	20.711	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	7619	19.911	ug/l	98
82) 4-Chlorotoluene	12.945	91	91694	20.358	ug/l	98
83) tert-Butylbenzene	13.169	119	94987	21.588	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	107543	20.310	ug/l	96
85) sec-Butylbenzene	13.345	105	143596	21.043	ug/l	97
86) p-Isopropyltoluene	13.463	119	116538	20.051	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	68413	21.707	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	65827	21.257	ug/l	99
89) n-Butylbenzene	13.787	91	111349	19.876	ug/l	97
90) Hexachloroethane	14.051	117	25557	21.394	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	56982	21.531	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3095	18.965	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	33263	21.386	ug/l	98
94) Hexachlorobutadiene	15.204	225	18122	22.322	ug/l	97
95) Naphthalene	15.328	128	57904	20.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	29461	22.350	ug/l	97

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

