

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052224\
 Data File : VD078978.D
 Acq On : 22 May 2024 14:41
 Operator : RP/MD
 Sample : VD0522SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024
 Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 06:03:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	114992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	199057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	183795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52937	49.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.804	113	62785	47.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.760%		
50) Toluene-d8	10.269	98	241189	48.554	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.569	95	67091	48.077	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20056	18.666	ug/l	97
3) Chloromethane	2.146	50	39392	25.826	ug/l	99
4) Vinyl Chloride	2.281	62	59310	25.474	ug/l	94
5) Bromomethane	2.681	94	55911	25.364	ug/l	95
6) Chloroethane	2.828	64	49480	24.057	ug/l	98
7) Trichlorofluoromethane	3.163	101	40110	17.810	ug/l	98
8) Diethyl Ether	3.593	74	10449	19.906	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	23389	19.668	ug/l	96
10) Methyl Iodide	4.158	142	26138	18.397	ug/l	100
11) Tert butyl alcohol	5.052	59	5648	120.152	ug/l #	86
12) 1,1-Dichloroethene	3.934	96	24462	21.014	ug/l	99
13) Acrolein	3.799	56	9038	84.173	ug/l	98
14) Allyl chloride	4.552	41	24949	21.964	ug/l	99
15) Acrylonitrile	5.257	53	21996	105.499	ug/l	96
16) Acetone	4.028	43	14373	83.573	ug/l	96
17) Carbon Disulfide	4.263	76	72569	20.332	ug/l	95
18) Methyl Acetate	4.563	43	8309	20.983	ug/l #	64
19) Methyl tert-butyl Ether	5.316	73	45057	19.865	ug/l	91
20) Methylene Chloride	4.793	84	39759	26.288	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	28013	21.590	ug/l	97
22) Diisopropyl ether	6.216	45	56438	21.968	ug/l	98
23) Vinyl Acetate	6.152	43	154851	100.492	ug/l	98
24) 1,1-Dichloroethane	6.104	63	46700	22.930	ug/l	93
25) 2-Butanone	7.081	43	23126	100.539	ug/l	99
26) 2,2-Dichloropropane	7.069	77	38102	21.289	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	32092	21.064	ug/l	95
28) Bromochloromethane	7.422	49	13685	20.149	ug/l	93
29) Tetrahydrofuran	7.446	42	12645	95.044	ug/l	98
30) Chloroform	7.593	83	52876	22.922	ug/l	95
31) Cyclohexane	7.869	56	28411	18.029	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	44613	22.583	ug/l	99
36) 1,1-Dichloropropene	8.004	75	33458	20.291	ug/l	98
37) Ethyl Acetate	7.163	43	10525	18.730	ug/l	94
38) Carbon Tetrachloride	7.993	117	39124	20.275	ug/l	97
39) Methylcyclohexane	9.275	83	34118	17.029	ug/l	95
40) Benzene	8.246	78	110072	20.639	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	5492	18.163	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	26662	20.654	ug/l	95
43) Isopropyl Acetate	8.363	43	19996	20.054	ug/l #	83
44) Trichloroethene	9.028	130	27310	19.306	ug/l	96
45) 1,2-Dichloropropane	9.298	63	24398	20.818	ug/l	99
46) Dibromomethane	9.393	93	15530	20.129	ug/l	92
47) Bromodichloromethane	9.581	83	37690	20.294	ug/l #	94
48) Methyl methacrylate	9.375	41	8143	16.776	ug/l	98
49) 1,4-Dioxane	9.387	88	2704	398.434	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	49510	93.224	ug/l	96
52) Toluene	10.328	92	70176	20.556	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	30661	19.429	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	37703	19.905	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	18668	18.729	ug/l	98
56) Ethyl methacrylate	10.592	69	19618	19.130	ug/l	96
57) 1,3-Dichloropropane	10.875	76	30647	19.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	42745	97.008	ug/l	98
59) 2-Hexanone	10.916	43	33371	90.275	ug/l	100
60) Dibromochloromethane	11.069	129	27363	20.138	ug/l	98
61) 1,2-Dibromoethane	11.175	107	18642	20.512	ug/l	96
64) Tetrachloroethene	10.804	164	24129	20.693	ug/l	90
65) Chlorobenzene	11.604	112	79184	20.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	28203	21.339	ug/l	99
67) Ethyl Benzene	11.681	91	127999	20.815	ug/l	98
68) m/p-Xylenes	11.792	106	104619	41.847	ug/l	97
69) o-Xylene	12.122	106	46235	20.286	ug/l	92
70) Styrene	12.134	104	83393	20.645	ug/l	98
71) Bromoform	12.298	173	14311	18.903	ug/l #	96
73) Isopropylbenzene	12.422	105	122238	22.087	ug/l	99
74) N-amyl acetate	12.228	43	18882	21.026	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	21842	21.879	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	13421m	20.559	ug/l	
77) Bromobenzene	12.698	156	30782	21.151	ug/l	98
78) n-propylbenzene	12.763	91	147128	21.994	ug/l	99
79) 2-Chlorotoluene	12.845	91	82489	22.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	100581	21.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	7127	21.650	ug/l	97
82) 4-Chlorotoluene	12.945	91	85597	21.945	ug/l	100
83) tert-Butylbenzene	13.163	119	88686	21.809	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	103113	21.650	ug/l	99
85) sec-Butylbenzene	13.345	105	131637	21.701	ug/l	99
86) p-Isopropyltoluene	13.457	119	112051	21.202	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	64588	20.972	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	63719	21.126	ug/l	98
89) n-Butylbenzene	13.786	91	96313	20.337	ug/l	98
90) Hexachloroethane	14.051	117	25782	23.127	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	57097	22.158	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2606	19.608	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	29636	19.588	ug/l	97
94) Hexachlorobutadiene	15.198	225	16410	20.754	ug/l	97
95) Naphthalene	15.328	128	50179	19.470	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	25974	19.299	ug/l	97

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

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