

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032224\
 Data File : VD078748.D
 Acq On : 22 Mar 2024 17:38
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2024
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 23:22:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	99248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	166165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	161957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	89175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46099	49.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.120%		
35) Dibromofluoromethane	7.810	113	52970	49.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.020%		
50) Toluene-d8	10.269	98	202185	51.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.780%		
62) 4-Bromofluorobenzene	12.575	95	61924	53.796	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	43934	47.562	ug/l	99
3) Chloromethane	2.152	50	68718	47.116	ug/l	92
4) Vinyl Chloride	2.287	62	99478	46.236	ug/l	97
5) Bromomethane	2.693	94	94613	45.929	ug/l	97
6) Chloroethane	2.840	64	82185	48.982	ug/l	93
7) Trichlorofluoromethane	3.181	101	85108	50.002	ug/l	97
8) Diethyl Ether	3.593	74	24663	49.627	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.975	101	54244	50.780	ug/l	99
10) Methyl Iodide	4.169	142	68311	54.061	ug/l	97
11) Tert butyl alcohol	5.052	59	10643	255.687	ug/l	95
12) 1,1-Dichloroethene	3.946	96	50576	49.805	ug/l	94
13) Acrolein	3.799	56	11508	176.489	ug/l	97
14) Allyl chloride	4.569	41	58465	51.598	ug/l	97
15) Acrylonitrile	5.258	53	53854	268.818	ug/l	96
16) Acetone	4.028	43	45863	254.993	ug/l	96
17) Carbon Disulfide	4.281	76	158882	47.727	ug/l	96
18) Methyl Acetate	4.569	43	24852	64.385	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	108853	53.154	ug/l	98
20) Methylene Chloride	4.805	84	68276	56.293	ug/l	97
21) trans-1,2-Dichloroethene	5.322	96	63737	53.193	ug/l	94
22) Diisopropyl ether	6.216	45	142890	55.467	ug/l	98
23) Vinyl Acetate	6.158	43	411930	273.364	ug/l	98
24) 1,1-Dichloroethane	6.116	63	104164	53.931	ug/l	100
25) 2-Butanone	7.081	43	60999	255.093	ug/l	99
26) 2,2-Dichloropropane	7.075	77	85269	52.181	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	74133	54.244	ug/l	97
28) Bromochloromethane	7.434	49	41732	60.605	ug/l	96
29) Tetrahydrofuran	7.452	42	36684	282.052	ug/l	99
30) Chloroform	7.599	83	117707	54.658	ug/l	94
31) Cyclohexane	7.887	56	73670	47.123	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	96137	52.616	ug/l	99
36) 1,1-Dichloropropene	8.010	75	84075	54.162	ug/l	99
37) Ethyl Acetate	7.169	43	27516	54.260	ug/l	98
38) Carbon Tetrachloride	7.993	117	87286	53.338	ug/l #	90
39) Methylcyclohexane	9.275	83	93057	51.678	ug/l	97
40) Benzene	8.252	78	253406	54.004	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	11600	43.650	ug/l #	73
42) 1,2-Dichloroethane	8.328	62	64655	56.501	ug/l	99
43) Isopropyl Acetate	8.357	43	49845	54.048	ug/l	97
44) Trichloroethene	9.034	130	67405	52.932	ug/l	85
45) 1,2-Dichloropropane	9.304	63	62232	55.908	ug/l	91
46) Dibromomethane	9.399	93	37273	55.860	ug/l	96
47) Bromodichloromethane	9.587	83	90313	56.855	ug/l	98
48) Methyl methacrylate	9.381	41	24593	54.729	ug/l	98
49) 1,4-Dioxane	9.381	88	6710	1086.094	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	136677	283.482	ug/l	99
52) Toluene	10.334	92	166943	55.261	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	81501	56.117	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	98117	56.197	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	51287	57.397	ug/l	96
56) Ethyl methacrylate	10.598	69	49101	54.815	ug/l	97
57) 1,3-Dichloropropane	10.881	76	82012	56.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	108566	274.868	ug/l	100
59) 2-Hexanone	10.922	43	99279	277.772	ug/l	100
60) Dibromochloromethane	11.075	129	60955	55.316	ug/l	99
61) 1,2-Dibromoethane	11.181	107	47162	54.539	ug/l	98
64) Tetrachloroethene	10.810	164	55997	52.247	ug/l	95
65) Chlorobenzene	11.610	112	181949	53.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	67139	54.168	ug/l	99
67) Ethyl Benzene	11.687	91	314497	54.532	ug/l	95
68) m/p-Xylenes	11.793	106	257664	110.024	ug/l	99
69) o-Xylene	12.122	106	120310	55.524	ug/l	99
70) Styrene	12.134	104	208016	57.197	ug/l	100
71) Bromoform	12.298	173	37013	55.257	ug/l #	95
73) Isopropylbenzene	12.422	105	303554	51.701	ug/l	99
74) N-amyl acetate	12.234	43	49707	52.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	55174	50.763	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	42269m	61.523	ug/l	
77) Bromobenzene	12.698	156	74876	51.423	ug/l	97
78) n-propylbenzene	12.763	91	378047	52.898	ug/l	99
79) 2-Chlorotoluene	12.851	91	203993	52.031	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	258794	53.302	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	17556	53.563	ug/l	98
82) 4-Chlorotoluene	12.945	91	218254	52.631	ug/l	98
83) tert-Butylbenzene	13.163	119	224249	53.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	260861	53.314	ug/l	98
85) sec-Butylbenzene	13.345	105	337466	53.266	ug/l	99
86) p-Isopropyltoluene	13.457	119	290905	53.637	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	162747	52.966	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	157105	51.880	ug/l	99
89) n-Butylbenzene	13.787	91	263851	53.867	ug/l	99
90) Hexachloroethane	14.057	117	56840	50.649	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	137341	51.897	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7449	51.232	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	78479	50.814	ug/l	99
94) Hexachlorobutadiene	15.204	225	43667	52.225	ug/l	97
95) Naphthalene	15.334	128	138101	51.430	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	70750	52.951	ug/l	100

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

