

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073382.D
 Acq On : 26 May 2022 12:18
 Operator : VA/SY
 Sample : VD0526SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0526SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 26 16:57:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	302451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	498571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	173907	52.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.908	113	187368	54.624	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.240%			
50) Toluene-d8	10.332	98	665874	52.662	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.620	95	247834	55.851	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.700%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	66791	22.100	ug/l	100
3) Chloromethane	2.209	50	66441	19.442	ug/l	96
4) Vinyl Chloride	2.350	62	61480	19.674	ug/l	97
5) Bromomethane	2.750	94	46411	20.811	ug/l	90
6) Chloroethane	2.915	64	40371	21.016	ug/l	98
7) Trichlorofluoromethane	3.268	101	117909	21.339	ug/l	97
8) Diethyl Ether	3.709	74	32145	21.171	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	68455	20.764	ug/l	94
10) Methyl Iodide	4.297	142	63931	17.973	ug/l	98
11) Tert butyl alcohol	5.203	59	25939m	50.018	ug/l	
12) 1,1-Dichloroethene	4.062	96	60049	19.756	ug/l	86
13) Acrolein	3.920	56	21125	91.928	ug/l	94
14) Allyl chloride	4.715	41	90765	18.500	ug/l #	92
15) Acrylonitrile	5.414	53	73305	105.582	ug/l	99
16) Acetone	4.156	43	61831	106.797	ug/l #	88
17) Carbon Disulfide	4.409	76	181917	18.054	ug/l	100
18) Methyl Acetate	4.709	43	38059	23.640	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	142542	20.585	ug/l	98
20) Methylene Chloride	4.956	84	100310	25.347	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	74853	20.368	ug/l	85
22) Diisopropyl ether	6.361	45	223723	21.752	ug/l #	90
23) Vinyl Acetate	6.303	43	554342	101.045	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	137814	20.875	ug/l	98
25) 2-Butanone	7.208	43	87729	103.572	ug/l	94
26) 2,2-Dichloropropane	7.203	77	117651	20.897	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	84004	20.658	ug/l	91
28) Bromochloromethane	7.544	49	45079	19.820	ug/l #	76
29) Tetrahydrofuran	7.561	42	56200	102.609	ug/l	96
30) Chloroform	7.703	83	152421	22.115	ug/l	98
31) Cyclohexane	7.979	56	113032	19.351	ug/l #	82
32) 1,1,1-Trichloroethane	7.897	97	127254	21.110	ug/l	97
36) 1,1-Dichloropropene	8.103	75	106631	20.669	ug/l	96
37) Ethyl Acetate	7.291	43	43201	21.201	ug/l #	94
38) Carbon Tetrachloride	8.091	117	112730	21.557	ug/l	94
39) Methylcyclohexane	9.350	83	110407	19.203	ug/l	96
40) Benzene	8.344	78	317340	21.344	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	27201	22.911	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	91537	22.127	ug/l	95
43) Isopropyl Acetate	8.444	43	77102	20.471	ug/l #	91
44) Trichloroethene	9.108	130	84546	21.324	ug/l	97
45) 1,2-Dichloropropane	9.379	63	80652	21.540	ug/l	99
46) Dibromomethane	9.467	93	44448	21.614	ug/l	96
47) Bromodichloromethane	9.655	83	114975	21.851	ug/l #	94
48) Methyl methacrylate	9.450	41	37108	19.583	ug/l #	82
49) 1,4-Dioxane	9.455	88	9318	438.763	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	203221	103.884	ug/l	93
52) Toluene	10.397	92	208624	22.205	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	101389	21.329	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	122555	21.544	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	63632	22.882	ug/l	98
56) Ethyl methacrylate	10.655	69	66389	21.472	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	102032	21.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	132949	104.299	ug/l	97
59) 2-Hexanone	10.973	43	139134	107.880	ug/l	96
60) Dibromochloromethane	11.132	129	80007	23.073	ug/l	96
61) 1,2-Dibromoethane	11.238	107	58862	22.151	ug/l	98
64) Tetrachloroethene	10.873	164	68052	20.840	ug/l	96
65) Chlorobenzene	11.661	112	221148	21.622	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	82930	21.862	ug/l	97
67) Ethyl Benzene	11.738	91	374110	20.836	ug/l	99
68) m/p-Xylenes	11.844	106	304698	43.679	ug/l	98
69) o-Xylene	12.173	106	134449	20.980	ug/l	100
70) Styrene	12.185	104	242485	21.993	ug/l	98
71) Bromoform	12.355	173	45247	23.176	ug/l #	99
73) Isopropylbenzene	12.467	105	364439	20.204	ug/l	99
74) N-amyl acetate	12.279	43	75222	19.116	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	70574	21.214	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	40856m	16.457	ug/l	
77) Bromobenzene	12.749	156	91895	21.642	ug/l	91
78) n-propylbenzene	12.808	91	468052	20.669	ug/l	99
79) 2-Chlorotoluene	12.896	91	267509	20.459	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	324689	21.249	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	21309	20.606	ug/l	87
82) 4-Chlorotoluene	12.991	91	287318	20.965	ug/l	99
83) tert-Butylbenzene	13.208	119	258911	20.105	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	321797	21.318	ug/l	98
85) sec-Butylbenzene	13.391	105	414486	21.079	ug/l	100
86) p-Isopropyltoluene	13.502	119	339923	21.207	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	189594	22.152	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	179564	20.784	ug/l	98
89) n-Butylbenzene	13.826	91	318031	20.824	ug/l	99
90) Hexachloroethane	14.096	117	71069	21.428	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	159605	21.553	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11327	22.233	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	90436	21.511	ug/l	99
94) Hexachlorobutadiene	15.249	225	50358	21.256	ug/l	99
95) Naphthalene	15.379	128	147628	20.108	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	77639	20.831	ug/l	99

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

