

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
 Data File : VD072082.D
 Acq On : 23 Feb 2022 18:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 06:48:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	435661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	723003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	682512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	347127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249584	55.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.460%			
35) Dibromofluoromethane	7.914	113	220809	50.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.332	98	848738	52.247	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.626	95	308116	51.636	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	168070	40.917	ug/l	97
3) Chloromethane	2.209	50	178827	48.102	ug/l	94
4) Vinyl Chloride	2.344	62	158134	42.644	ug/l	97
5) Bromomethane	2.762	94	98658	42.174	ug/l	100
6) Chloroethane	2.914	64	103717	44.251	ug/l	97
7) Trichlorofluoromethane	3.267	101	320123	44.621	ug/l	93
8) Diethyl Ether	3.714	74	101324	49.543	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	197211	43.998	ug/l	100
10) Methyl Iodide	4.297	142	157891	32.988	ug/l	97
11) Tert butyl alcohol	5.220	59	71233	276.263	ug/l #	82
12) 1,1-Dichloroethene	4.067	96	172166	43.244	ug/l	96
13) Acrolein	3.920	56	117943	231.966	ug/l	99
14) Allyl chloride	4.714	41	307043	44.006	ug/l	96
15) Acrylonitrile	5.414	53	295227	267.088	ug/l	99
16) Acetone	4.156	43	239065	244.779	ug/l	98
17) Carbon Disulfide	4.408	76	485247	43.870	ug/l	99
18) Methyl Acetate	4.714	43	123486	49.750	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	517796	53.463	ug/l	100
20) Methylene Chloride	4.967	84	232722	47.878	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	208371	46.580	ug/l	98
22) Diisopropyl ether	6.361	45	703803	48.306	ug/l	98
23) Vinyl Acetate	6.303	43	2148500	276.138	ug/l	99
24) 1,1-Dichloroethane	6.261	63	398335	45.956	ug/l	98
25) 2-Butanone	7.208	43	361142	267.541	ug/l	94
26) 2,2-Dichloropropane	7.208	77	314598	45.358	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	246686	48.131	ug/l	99
28) Bromochloromethane	7.544	49	181075	49.005	ug/l	99
29) Tetrahydrofuran	7.561	42	241093	279.858	ug/l	100
30) Chloroform	7.708	83	425944	47.863	ug/l	99
31) Cyclohexane	7.985	56	336939	42.212	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	355720	46.448	ug/l	98
36) 1,1-Dichloropropene	8.108	75	296507	44.686	ug/l	99
37) Ethyl Acetate	7.291	43	164237	53.376	ug/l	97
38) Carbon Tetrachloride	8.091	117	315922	46.453	ug/l	99
39) Methylcyclohexane	9.349	83	352436	45.382	ug/l	94
40) Benzene	8.349	78	867437	46.329	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	105910	55.506	ug/l	94
42) 1,2-Dichloroethane	8.420	62	285854	50.896	ug/l	98
43) Isopropyl Acetate	8.449	43	300236	52.398	ug/l	99
44) Trichloroethene	9.108	130	235522	46.152	ug/l	95
45) 1,2-Dichloropropane	9.379	63	234234	46.899	ug/l	99
46) Dibromomethane	9.467	93	134615	51.073	ug/l	98
47) Bromodichloromethane	9.655	83	334070	49.135	ug/l	98
48) Methyl methacrylate	9.455	41	137506	47.507	ug/l	87
49) 1,4-Dioxane	9.461	88	36572	1169.662	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	840233	276.697	ug/l	100
52) Toluene	10.396	92	568167	47.418	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	319740	51.421	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	370496	50.343	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	187611	50.580	ug/l	98
56) Ethyl methacrylate	10.655	69	244457	55.190	ug/l	97
57) 1,3-Dichloropropane	10.938	76	323761	50.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	477585	241.011	ug/l	99
59) 2-Hexanone	10.979	43	572014	276.167	ug/l	100
60) Dibromochloromethane	11.132	129	234584	50.645	ug/l	97
61) 1,2-Dibromoethane	11.238	107	177452	50.064	ug/l	99
64) Tetrachloroethene	10.867	164	202301	46.949	ug/l	99
65) Chlorobenzene	11.661	112	615979	46.567	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	232538	47.365	ug/l	99
67) Ethyl Benzene	11.738	91	1086517	46.713	ug/l	99
68) m/p-Xylenes	11.843	106	834813	93.758	ug/l	99
69) o-Xylene	12.173	106	401648	47.952	ug/l	98
70) Styrene	12.185	104	706040	49.119	ug/l	100
71) Bromoform	12.349	173	145075	51.524	ug/l #	99
73) Isopropylbenzene	12.473	105	1063257	44.611	ug/l	99
74) N-amyl acetate	12.279	43	288069	50.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	220217	46.733	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	176519m	53.685	ug/l	
77) Bromobenzene	12.749	156	254068	45.521	ug/l	97
78) n-propylbenzene	12.814	91	1302254	44.453	ug/l	99
79) 2-Chlorotoluene	12.896	91	762881	44.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	909196	45.685	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	71923	54.777	ug/l	99
82) 4-Chlorotoluene	12.996	91	782667	44.352	ug/l	100
83) tert-Butylbenzene	13.214	119	777510	45.470	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	916817	46.862	ug/l	100
85) sec-Butylbenzene	13.390	105	1159194	44.503	ug/l	100
86) p-Isopropyltoluene	13.502	119	982853	45.876	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	513232	45.489	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	512151	45.176	ug/l	98
89) n-Butylbenzene	13.832	91	919019	45.112	ug/l	99
90) Hexachloroethane	14.096	117	180185	41.900	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	457894	46.280	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	37837	51.543	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	288591	47.486	ug/l	98
94) Hexachlorobutadiene	15.249	225	150508	45.037	ug/l	98
95) Naphthalene	15.384	128	594844	53.917	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	264043	50.370	ug/l	98

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

