

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073033.D
 Acq On : 16 May 2022 14:14
 Operator : VA/SY
 Sample : VD0516SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 17 03:27:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	297060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	472937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	445804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	225398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182695	47.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.760%		
35) Dibromofluoromethane	7.914	113	189496	57.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	114.100%		
50) Toluene-d8	10.332	98	702408	58.954	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	117.900%		
62) 4-Bromofluorobenzene	12.620	95	251807	56.680	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	113.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	76556	18.650	ug/l	90
3) Chloromethane	2.209	50	71456	16.738	ug/l	99
4) Vinyl Chloride	2.344	62	67268	17.560	ug/l	98
5) Bromomethane	2.750	94	47332	19.134	ug/l	96
6) Chloroethane	2.909	64	42445	17.778	ug/l	92
7) Trichlorofluoromethane	3.262	101	134955	20.119	ug/l	97
8) Diethyl Ether	3.703	74	33369	17.352	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.085	101	82277	20.660	ug/l	97
10) Methyl Iodide	4.291	142	69170	17.307	ug/l	98
11) Tert butyl alcohol	5.214	59	30062	90.106	ug/l #	82
12) 1,1-Dichloroethene	4.061	96	68678	19.173	ug/l	89
13) Acrolein	3.914	56	12797	41.136	ug/l	96
14) Allyl chloride	4.709	41	106995	18.502	ug/l	92
15) Acrylonitrile	5.414	53	79136	86.588	ug/l	95
16) Acetone	4.156	43	60781	74.422	ug/l #	86
17) Carbon Disulfide	4.403	76	194944	17.308	ug/l	96
18) Methyl Acetate	4.720	43	41466	19.612	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	150936	17.577	ug/l	97
20) Methylene Chloride	4.961	84	97023	16.866	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	79774	19.419	ug/l	87
22) Diisopropyl ether	6.361	45	233928	18.388	ug/l #	92
23) Vinyl Acetate	6.297	43	569551	81.045	ug/l	97
24) 1,1-Dichloroethane	6.261	63	149218	19.523	ug/l	97
25) 2-Butanone	7.214	43	90580	80.620	ug/l	99
26) 2,2-Dichloropropane	7.197	77	127512	19.734	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	87982	18.699	ug/l	93
28) Bromochloromethane	7.538	49	47957	16.826	ug/l #	80
29) Tetrahydrofuran	7.555	42	58962	82.332	ug/l	94
30) Chloroform	7.702	83	156448	19.345	ug/l	99
31) Cyclohexane	7.979	56	125235	18.579	ug/l	92
32) 1,1,1-Trichloroethane	7.891	97	139038	20.172	ug/l	96
36) 1,1-Dichloropropene	8.108	75	113938	21.096	ug/l	96
37) Ethyl Acetate	7.291	43	42240	17.013	ug/l #	96
38) Carbon Tetrachloride	8.091	117	122710	21.888	ug/l	95
39) Methylcyclohexane	9.349	83	127862	20.410	ug/l	98
40) Benzene	8.344	78	323020	20.711	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	26365	17.834	ug/l	95
42) 1,2-Dichloroethane	8.420	62	91740	19.519	ug/l	96
43) Isopropyl Acetate	8.444	43	80712	17.613	ug/l #	90
44) Trichloroethene	9.108	130	88539	21.219	ug/l	95
45) 1,2-Dichloropropane	9.379	63	82253	20.081	ug/l	95
46) Dibromomethane	9.461	93	43063	19.059	ug/l	95
47) Bromodichloromethane	9.655	83	114923	19.772	ug/l #	95
48) Methyl methacrylate	9.449	41	40858	18.225	ug/l #	88
49) 1,4-Dioxane	9.455	88	10171	399.754	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	217685	91.417	ug/l	96
52) Toluene	10.396	92	206765	21.252	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	100080	18.745	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	122948	19.822	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	61475	20.127	ug/l	97
56) Ethyl methacrylate	10.649	69	67881	18.875	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	101873	19.436	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	148256	85.027	ug/l	97
59) 2-Hexanone	10.973	43	143272	89.417	ug/l	97
60) Dibromochloromethane	11.132	129	77770	20.226	ug/l	99
61) 1,2-Dibromoethane	11.238	107	57103	19.207	ug/l	96
64) Tetrachloroethene	10.867	164	71238	21.856	ug/l	96
65) Chlorobenzene	11.661	112	221964	21.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	85253	22.000	ug/l	98
67) Ethyl Benzene	11.738	91	385828	21.621	ug/l	98
68) m/p-Xylenes	11.843	106	307594	44.749	ug/l	99
69) o-Xylene	12.173	106	137519	21.421	ug/l	97
70) Styrene	12.185	104	243570	21.898	ug/l	98
71) Bromoform	12.349	173	44058	20.978	ug/l #	96
73) Isopropylbenzene	12.467	105	377607	21.532	ug/l	99
74) N-amyl acetate	12.279	43	78767	18.036	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	69428	19.613	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	41018m	16.320	ug/l	
77) Bromobenzene	12.749	156	86966	20.884	ug/l	93
78) n-propylbenzene	12.808	91	486749	22.023	ug/l	99
79) 2-Chlorotoluene	12.896	91	274865	21.289	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	325491	21.889	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20381	18.648	ug/l	91
82) 4-Chlorotoluene	12.990	91	291699	21.623	ug/l	99
83) tert-Butylbenzene	13.214	119	275338	21.780	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	321136	21.606	ug/l	100
85) sec-Butylbenzene	13.390	105	436928	22.915	ug/l	100
86) p-Isopropyltoluene	13.502	119	349004	22.325	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	181188	21.598	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	178551	21.373	ug/l	99
89) n-Butylbenzene	13.832	91	333365	22.013	ug/l	99
90) Hexachloroethane	14.096	117	71983	22.477	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	154439	21.124	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10062	17.931	ug/l	85
93) 1,2,4-Trichlorobenzene	15.143	180	89606	20.695	ug/l	98
94) Hexachlorobutadiene	15.249	225	54392	23.002	ug/l	96
95) Naphthalene	15.379	128	148678	18.676	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	77574	20.211	ug/l	99

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

