

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072827.D
 Acq On : 06 May 2022 00:48
 Operator : VA/SY
 Sample : VD0505SBS03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0505SBS03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2022
 Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 06 03:54:31 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	293601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	527778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	503152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	236784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222273	58.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.640%			
35) Dibromofluoromethane	7.909	113	197538	53.293	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.332	98	698031	52.499	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.000%			
62) 4-Bromofluorobenzene	12.620	95	260338	52.511	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	83052	20.470	ug/l	93
3) Chloromethane	2.209	50	96190	22.797	ug/l	96
4) Vinyl Chloride	2.344	62	89840	23.729	ug/l	97
5) Bromomethane	2.750	94	58981	24.540	ug/l	97
6) Chloroethane	2.909	64	56001	23.733	ug/l	98
7) Trichlorofluoromethane	3.268	101	145179	21.898	ug/l	100
8) Diethyl Ether	3.703	74	41178	21.665	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	84385	21.439	ug/l	99
10) Methyl Iodide	4.297	142	81336	20.591	ug/l	99
11) Tert butyl alcohol	5.209	59	43798	132.824	ug/l #	79
12) 1,1-Dichloroethene	4.062	96	77321	21.840	ug/l	92
13) Acrolein	3.926	56	31940	131.551	ug/l	98
14) Allyl chloride	4.709	41	138781	24.281	ug/l	97
15) Acrylonitrile	5.415	53	102716	113.713	ug/l	97
16) Acetone	4.150	43	82079	107.093	ug/l	94
17) Carbon Disulfide	4.397	76	230134	20.674	ug/l	96
18) Methyl Acetate	4.715	43	53497	25.676	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	199286	23.481	ug/l	100
20) Methylene Chloride	4.962	84	127517	24.801	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	93224	22.960	ug/l	97
22) Diisopropyl ether	6.362	45	303659	24.151	ug/l	96
23) Vinyl Acetate	6.303	43	807851	116.309	ug/l	96
24) 1,1-Dichloroethane	6.256	63	178124	23.580	ug/l	98
25) 2-Butanone	7.209	43	125269	112.809	ug/l	99
26) 2,2-Dichloropropane	7.203	77	135462	21.212	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	104736	22.522	ug/l	97
28) Bromochloromethane	7.544	49	61417	21.802	ug/l	88
29) Tetrahydrofuran	7.561	42	84664	119.614	ug/l	99
30) Chloroform	7.709	83	185585	23.218	ug/l	91
31) Cyclohexane	7.979	56	142449	21.382	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	161354	23.686	ug/l	97
36) 1,1-Dichloropropene	8.108	75	129406	21.471	ug/l	97
37) Ethyl Acetate	7.285	43	58860	21.244	ug/l	95
38) Carbon Tetrachloride	8.091	117	134931	21.567	ug/l	97
39) Methylcyclohexane	9.350	83	135169	19.335	ug/l	97
40) Benzene	8.344	78	378048	21.720	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	35720	21.652	ug/l	93
42) 1,2-Dichloroethane	8.420	62	120980	23.066	ug/l	97
43) Isopropyl Acetate	8.450	43	116582	22.797	ug/l	99
44) Trichloroethene	9.103	130	95185	20.441	ug/l	95
45) 1,2-Dichloropropane	9.379	63	97619	21.356	ug/l	94
46) Dibromomethane	9.467	93	53290	21.135	ug/l	96
47) Bromodichloromethane	9.655	83	141536	21.820	ug/l #	97
48) Methyl methacrylate	9.450	41	52473	20.974	ug/l #	82
49) 1,4-Dioxane	9.455	88	10577	372.515	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	293362	110.396	ug/l	97
52) Toluene	10.397	92	235703	21.709	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	125741	21.105	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	148012	21.383	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	72085	21.148	ug/l	92
56) Ethyl methacrylate	10.650	69	85235	21.238	ug/l	96
57) 1,3-Dichloropropane	10.938	76	125057	21.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	202515	104.077	ug/l	99
59) 2-Hexanone	10.973	43	195580	109.379	ug/l	98
60) Dibromochloromethane	11.132	129	90076	20.992	ug/l	98
61) 1,2-Dibromoethane	11.238	107	69172	20.849	ug/l	99
64) Tetrachloroethene	10.867	164	74120	20.149	ug/l	95
65) Chlorobenzene	11.661	112	244272	20.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	94409	21.586	ug/l	97
67) Ethyl Benzene	11.738	91	444929	22.091	ug/l	99
68) m/p-Xylenes	11.844	106	341836	44.062	ug/l	98
69) o-Xylene	12.167	106	158751	21.910	ug/l	100
70) Styrene	12.185	104	273989	21.826	ug/l	100
71) Bromoform	12.349	173	47777	20.156	ug/l #	97
73) Isopropylbenzene	12.467	105	422314	22.924	ug/l	96
74) N-amyl acetate	12.279	43	104990	22.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	77468	20.831	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	57693m	21.851	ug/l	
77) Bromobenzene	12.749	156	95970	21.938	ug/l	98
78) n-propylbenzene	12.808	91	528311	22.754	ug/l	99
79) 2-Chlorotoluene	12.896	91	310250	22.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	356733	22.837	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	23671	20.616	ug/l	97
82) 4-Chlorotoluene	12.991	91	323874	22.854	ug/l	97
83) tert-Butylbenzene	13.208	119	284678	21.436	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	352820	22.596	ug/l	100
85) sec-Butylbenzene	13.385	105	440890	22.011	ug/l	100
86) p-Isopropyltoluene	13.502	119	367071	22.352	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	188861	21.431	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	186860	21.292	ug/l	98
89) n-Butylbenzene	13.826	91	347460	21.841	ug/l	99
90) Hexachloroethane	14.096	117	72327	21.498	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	165238	21.514	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	13016	22.080	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	93206	20.491	ug/l	99
94) Hexachlorobutadiene	15.249	225	48420	19.492	ug/l	97
95) Naphthalene	15.379	128	174246	20.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	80688	20.011	ug/l	99

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

