

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073298.D
 Acq On : 23 May 2022 23:32
 Operator : VA/SY
 Sample : VD0523SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0523SBS02

Quant Time: May 24 03:30:42 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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	289893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	510966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	496379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	242839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184894	57.712	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.420%			
35) Dibromofluoromethane	7.908	113	186673	55.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.720%			
50) Toluene-d8	10.332	98	677984	54.549	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.100%			
62) 4-Bromofluorobenzene	12.620	95	246305	56.469	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	55783	19.257	ug/l	99
3) Chloromethane	2.209	50	60481	18.465	ug/l	99
4) Vinyl Chloride	2.344	62	55390	18.493	ug/l	98
5) Bromomethane	2.744	94	41613	19.185	ug/l	95
6) Chloroethane	2.909	64	37621	20.432	ug/l	90
7) Trichlorofluoromethane	3.262	101	104679	19.765	ug/l	96
8) Diethyl Ether	3.703	74	32330	22.216	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	61693	19.523	ug/l	95
10) Methyl Iodide	4.291	142	57776	16.947	ug/l	99
11) Tert butyl alcohol	5.179	59	57316	115.310	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	57756	19.825	ug/l	87
13) Acrolein	3.920	56	26948	128.670	ug/l	97
14) Allyl chloride	4.703	41	92348	19.638	ug/l	87
15) Acrylonitrile	5.414	53	82488	123.956	ug/l	96
16) Acetone	4.156	43	61948	111.634	ug/l	99
17) Carbon Disulfide	4.397	76	169530	17.554	ug/l	98
18) Methyl Acetate	4.714	43	41068	26.615	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	154736	23.314	ug/l	99
20) Methylene Chloride	4.961	84	99888	26.503	ug/l #	84
21) trans-1,2-Dichloroethene	5.461	96	70682	20.066	ug/l	96
22) Diisopropyl ether	6.361	45	213903	21.698	ug/l	97
23) Vinyl Acetate	6.297	43	584126	111.086	ug/l	98
24) 1,1-Dichloroethane	6.256	63	133723	21.133	ug/l	100
25) 2-Butanone	7.203	43	94101	115.907	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	98625	18.276	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	79968	20.517	ug/l	92
28) Bromochloromethane	7.544	49	46304	21.241	ug/l #	84
29) Tetrahydrofuran	7.555	42	63906	121.733	ug/l	94
30) Chloroform	7.703	83	144642	21.895	ug/l	99
31) Cyclohexane	7.979	56	101081	18.055	ug/l #	93
32) 1,1,1-Trichloroethane	7.897	97	120308	20.822	ug/l	96
36) 1,1-Dichloropropene	8.108	75	97993	19.324	ug/l	97
37) Ethyl Acetate	7.285	43	45843	22.887	ug/l	95
38) Carbon Tetrachloride	8.091	117	100265	19.506	ug/l	93
39) Methylcyclohexane	9.349	83	96667	17.105	ug/l	99
40) Benzene	8.344	78	302641	20.708	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	22471	19.255	ug/l #	80
42) 1,2-Dichloroethane	8.420	62	92021	22.629	ug/l	97
43) Isopropyl Acetate	8.444	43	87840	23.726	ug/l	95
44) Trichloroethene	9.102	130	79336	20.357	ug/l	96
45) 1,2-Dichloropropane	9.379	63	78002	21.193	ug/l	98
46) Dibromomethane	9.467	93	43249	21.396	ug/l	95
47) Bromodichloromethane	9.655	83	114323	22.104	ug/l	97
48) Methyl methacrylate	9.449	41	39291	21.094	ug/l #	84
49) 1,4-Dioxane	9.455	88	9733	466.249	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	229833	119.525	ug/l	95
52) Toluene	10.396	92	193720	20.976	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	98690	21.121	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	115773	20.705	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	63243	23.136	ug/l	95
56) Ethyl methacrylate	10.649	69	67203	22.112	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	103714	22.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	145502	113.674	ug/l	97
59) 2-Hexanone	10.979	43	151951	119.860	ug/l	97
60) Dibromochloromethane	11.132	129	77240	22.661	ug/l	97
61) 1,2-Dibromoethane	11.232	107	58603	22.436	ug/l	98
64) Tetrachloroethene	10.867	164	64842	19.944	ug/l	96
65) Chlorobenzene	11.661	112	213685	20.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	79982	21.178	ug/l	98
67) Ethyl Benzene	11.732	91	350781	19.623	ug/l	99
68) m/p-Xylenes	11.843	106	280156	40.339	ug/l	98
69) o-Xylene	12.167	106	127037	19.911	ug/l	97
70) Styrene	12.185	104	230889	21.034	ug/l	96
71) Bromoform	12.349	173	45623	23.472	ug/l #	98
73) Isopropylbenzene	12.467	105	329457	19.031	ug/l	99
74) N-amyl acetate	12.279	43	81483	21.576	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	72648	22.753	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	48680m	20.431	ug/l	
77) Bromobenzene	12.749	156	86008	21.105	ug/l	92
78) n-propylbenzene	12.808	91	422881	19.457	ug/l	99
79) 2-Chlorotoluene	12.896	91	255361	20.350	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	294998	20.116	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	19443	19.590	ug/l	90
82) 4-Chlorotoluene	12.990	91	265483	20.184	ug/l	98
83) tert-Butylbenzene	13.208	119	231602	18.739	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	293468	20.257	ug/l	97
85) sec-Butylbenzene	13.385	105	367467	19.472	ug/l	100
86) p-Isopropyltoluene	13.502	119	299333	19.458	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	172595	21.012	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	172088	20.754	ug/l	100
89) n-Butylbenzene	13.826	91	276761	18.882	ug/l	99
90) Hexachloroethane	14.096	117	64413	20.236	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	150679	21.201	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11394	23.303	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	81164	20.115	ug/l	96
94) Hexachlorobutadiene	15.243	225	43493	19.128	ug/l	98
95) Naphthalene	15.379	128	146593	20.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	75322	21.057	ug/l	97

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

