

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072150.D
 Acq On : 11 Mar 2022 14:28
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 03:00:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 02:55:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	391155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	620922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	571573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22855	5.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.340%#		
35) Dibromofluoromethane	7.914	113	24415	5.650	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.300%#		
50) Toluene-d8	10.332	98	79820	5.028	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.626	95	32768	5.297	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.600%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	18319	4.703	ug/l	96
3) Chloromethane	2.209	50	15260	4.169	ug/l	92
4) Vinyl Chloride	2.350	62	14855	4.333	ug/l	93
5) Bromomethane	2.774	94	11096	4.990	ug/l	91
6) Chloroethane	2.921	64	10030	4.494	ug/l	91
7) Trichlorofluoromethane	3.279	101	33794	4.538	ug/l	91
8) Diethyl Ether	3.715	74	9758	4.862	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	21773	4.667	ug/l	93
10) Methyl Iodide	4.297	142	14226	3.662	ug/l #	95
11) Tert butyl alcohol	5.220	59	6921	27.269	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	16722	4.312	ug/l	82
13) Acrolein	3.915	56	5872	24.801	ug/l	99
14) Allyl chloride	4.715	41	29175	4.465	ug/l	94
15) Acrylonitrile	5.415	53	24509	24.891	ug/l	96
16) Acetone	4.156	43	25064	25.891	ug/l	97
17) Carbon Disulfide	4.415	76	27679	3.052	ug/l	98
18) Methyl Acetate	4.726	43	12058	4.478	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	47523	4.764	ug/l	96
20) Methylene Chloride	4.968	84	44922	8.294	ug/l #	82
21) trans-1,2-Dichloroethene	5.479	96	18065	4.200	ug/l #	80
22) Diisopropyl ether	6.362	45	69426	4.774	ug/l #	94
23) Vinyl Acetate	6.303	43	166369	23.434	ug/l	98
24) 1,1-Dichloroethane	6.267	63	40765	4.639	ug/l #	97
25) 2-Butanone	7.209	43	32895	25.877	ug/l	97
26) 2,2-Dichloropropane	7.209	77	37125	4.793	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	24403	4.628	ug/l	90
28) Bromochloromethane	7.550	49	17417	5.054	ug/l	90
29) Tetrahydrofuran	7.567	42	19058	25.444	ug/l	99
30) Chloroform	7.709	83	45297	4.909	ug/l	97
31) Cyclohexane	7.985	56	34971	4.696	ug/l #	71
32) 1,1,1-Trichloroethane	7.897	97	38514	4.652	ug/l	98
36) 1,1-Dichloropropene	8.109	75	27433	4.226	ug/l	96
37) Ethyl Acetate	7.291	43	14276	5.316	ug/l	97
38) Carbon Tetrachloride	8.091	117	33490	4.637	ug/l	85
39) Methylcyclohexane	9.344	83	29694	3.992	ug/l	91
40) Benzene	8.350	78	83933	4.586	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	6633m	4.221	ug/l	
42) 1,2-Dichloroethane	8.420	62	26360	4.802	ug/l	97
43) Isopropyl Acetate	8.450	43	25955	4.943	ug/l #	92
44) Trichloroethene	9.108	130	22583	4.352	ug/l	96
45) 1,2-Dichloropropane	9.379	63	23579	4.768	ug/l #	84
46) Dibromomethane	9.473	93	11029	4.470	ug/l	92
47) Bromodichloromethane	9.656	83	34414	4.891	ug/l #	95
48) Methyl methacrylate	9.450	41	11281	4.378	ug/l #	86
49) 1,4-Dioxane	9.456	88	3280	118.296	ug/l	89
51) 4-Methyl-2-Pentanone	10.226	43	65508	23.854	ug/l	96
52) Toluene	10.397	92	53293	4.499	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	30209	4.675	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	34411	4.600	ug/l #	86
55) 1,1,2-Trichloroethane	10.797	97	17660	4.823	ug/l	94
56) Ethyl methacrylate	10.655	69	18841	4.386	ug/l	92
57) 1,3-Dichloropropane	10.938	76	30065	4.902	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	44583	23.219	ug/l	96
59) 2-Hexanone	10.979	43	44872	23.728	ug/l	97
60) Dibromochloromethane	11.132	129	23595	4.977	ug/l	98
61) 1,2-Dibromoethane	11.238	107	16143	4.861	ug/l	99
64) Tetrachloroethene	10.873	164	19680	4.630	ug/l	97
65) Chlorobenzene	11.667	112	62026	4.726	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	24980	4.913	ug/l	96
67) Ethyl Benzene	11.738	91	107436	4.629	ug/l	98
68) m/p-Xylenes	11.844	106	77550	8.766	ug/l	97
69) o-Xylene	12.173	106	37274	4.443	ug/l	96
70) Styrene	12.185	104	67751	4.678	ug/l	96
71) Bromoform	12.349	173	13013	4.824	ug/l #	93
73) Isopropylbenzene	12.473	105	106491	4.523	ug/l	99
74) N-amyl acetate	12.279	43	23721	4.742	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	22073	5.336	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	16915m	5.215	ug/l	
77) Bromobenzene	12.755	156	25746	4.840	ug/l	93
78) n-propylbenzene	12.808	91	128003	4.441	ug/l	97
79) 2-Chlorotoluene	12.897	91	77647	4.696	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	94482	4.681	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	6432	4.935	ug/l	86
82) 4-Chlorotoluene	12.997	91	82032	4.784	ug/l	99
83) tert-Butylbenzene	13.214	119	85517	4.884	ug/l	93
84) 1,2,4-Trimethylbenzene	13.261	105	94785	4.770	ug/l	95
85) sec-Butylbenzene	13.391	105	123028	4.662	ug/l	98
86) p-Isopropyltoluene	13.502	119	99120	4.527	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	56310	5.094	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	56162	5.099	ug/l	97
89) n-Butylbenzene	13.832	91	94719	4.561	ug/l	96
90) Hexachloroethane	14.096	117	20231	4.733	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	49493	5.163	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.479	75	3680	5.612	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	31267	4.952	ug/l	99
94) Hexachlorobutadiene	15.255	225	18631	5.059	ug/l	97
95) Naphthalene	15.379	128	53166	4.952	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.579	180	26953	4.904	ug/l	99

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

