

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070831.D
 Acq On : 26 Oct 2021 10:02
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 05:26:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:19:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	377774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	630101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	603609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	291385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	21600	5.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.380%#		
35) Dibromofluoromethane	7.908	113	22185	5.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.680%#		
50) Toluene-d8	10.332	98	74825	4.787	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	12.620	95	24666	4.783	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	22374	6.386	ug/l	95
3) Chloromethane	2.209	50	28270	5.701	ug/l	93
4) Vinyl Chloride	2.350	62	31680	5.775	ug/l	100
5) Bromomethane	2.768	94	25599	6.519	ug/l	96
6) Chloroethane	2.915	64	20063	5.920	ug/l	97
7) Trichlorofluoromethane	3.268	101	41733	6.177	ug/l	97
8) Diethyl Ether	3.703	74	9093	4.858	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	27671	6.355	ug/l	92
10) Methyl Iodide	4.297	142	12299	3.183	ug/l	92
11) Tert butyl alcohol	5.209	59	5894m	29.189	ug/l	
12) 1,1-Dichloroethene	4.067	96	20321	5.331	ug/l	88
13) Acrolein	3.915	56	4359	24.072	ug/l #	82
14) Allyl chloride	4.709	41	26504	4.439	ug/l	92
15) Acrylonitrile	5.414	53	21917	24.444	ug/l	96
16) Acetone	4.162	43	23809	26.935	ug/l #	84
17) Carbon Disulfide	4.409	76	75588	5.609	ug/l	100
18) Methyl Acetate	4.714	43	17754	5.859	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	36704	4.629	ug/l	100
20) Methylene Chloride	4.956	84	51660	8.456	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	23432	5.188	ug/l #	77
22) Diisopropyl ether	6.350	45	52539	4.243	ug/l #	83
23) Vinyl Acetate	6.303	43	113288	20.131	ug/l #	93
24) 1,1-Dichloroethane	6.250	63	46190	5.534	ug/l #	94
25) 2-Butanone	7.203	43	25653	23.578	ug/l #	86
26) 2,2-Dichloropropane	7.197	77	37793	5.676	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	23885	4.934	ug/l	98
28) Bromochloromethane	7.538	49	16648	5.087	ug/l	99
29) Tetrahydrofuran	7.550	42	14878	22.635	ug/l	99
30) Chloroform	7.703	83	48153	5.748	ug/l	97
31) Cyclohexane	7.973	56	42311	5.465	ug/l #	75
32) 1,1,1-Trichloroethane	7.897	97	40123	5.608	ug/l	96
36) 1,1-Dichloropropene	8.108	75	33486	5.079	ug/l	99
37) Ethyl Acetate	7.285	43	11591	4.729	ug/l #	93
38) Carbon Tetrachloride	8.085	117	36850	5.559	ug/l	98
39) Methylcyclohexane	9.350	83	35826	4.723	ug/l	95
40) Benzene	8.344	78	98832	5.156	ug/l	98

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41) Methacrylonitrile	7.514	41	5471	4.219	ug/l #	82
42) 1,2-Dichloroethane	8.414	62	27464	5.628	ug/l	94
43) Isopropyl Acetate	8.450	43	21743	4.772	ug/l #	56
44) Trichloroethene	9.108	130	27454	5.544	ug/l	95
45) 1,2-Dichloropropane	9.379	63	26230	5.162	ug/l	99
46) Dibromomethane	9.467	93	13670	5.487	ug/l	92
47) Bromodichloromethane	9.655	83	35774	5.555	ug/l	96
48) Methyl methacrylate	9.450	41	9353	4.296	ug/l	89
49) 1,4-Dioxane	9.461	88	2650m	99.663	ug/l	
51) 4-Methyl-2-Pentanone	10.220	43	53352	22.330	ug/l	96
52) Toluene	10.397	92	51468	4.468	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	26159	4.660	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	34385	4.962	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	18967	5.368	ug/l	95
56) Ethyl methacrylate	10.655	69	15752	4.059	ug/l	91
57) 1,3-Dichloropropane	10.938	76	29202	4.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	39881	23.742	ug/l	97
59) 2-Hexanone	10.979	43	35838	21.012	ug/l	90
60) Dibromochloromethane	11.132	129	22982	5.421	ug/l	99
61) 1,2-Dibromoethane	11.238	107	17109	5.246	ug/l	96
64) Tetrachloroethene	10.873	164	22758	5.495	ug/l	95
65) Chlorobenzene	11.661	112	63247	5.107	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	23869	5.196	ug/l	97
67) Ethyl Benzene	11.738	91	98964	4.589	ug/l	100
68) m/p-Xylenes	11.844	106	72720	8.660	ug/l	98
69) o-Xylene	12.167	106	32943	4.332	ug/l	98
70) Styrene	12.191	104	56480	4.288	ug/l	98
71) Bromoform	12.349	173	11985	4.937	ug/l #	91
73) Isopropylbenzene	12.473	105	79989	4.116	ug/l	99
74) N-amyl acetate	12.279	43	18860	4.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	21797	5.496	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	16050m	5.595	ug/l	
77) Bromobenzene	12.755	156	23927	5.053	ug/l	93
78) n-propylbenzene	12.808	91	107445	4.307	ug/l	98
79) 2-Chlorotoluene	12.896	91	68009	4.695	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	68397	4.147	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	5356	4.901	ug/l	90
82) 4-Chlorotoluene	12.991	91	69010	4.584	ug/l	96
83) tert-Butylbenzene	13.214	119	59084	4.296	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	66612	4.096	ug/l	98
85) sec-Butylbenzene	13.390	105	96722	4.458	ug/l	97
86) p-Isopropyltoluene	13.502	119	72891	4.176	ug/l	95
87) 1,3-Dichlorobenzene	13.502	146	50827	5.198	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	52620	5.426	ug/l	94
89) n-Butylbenzene	13.832	91	78425	4.586	ug/l	93
90) Hexachloroethane	14.096	117	22967	5.864	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	42567	5.101	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3442	5.957	ug/l	88
93) 1,2,4-Trichlorobenzene	15.149	180	24024	4.983	ug/l	97
94) Hexachlorobutadiene	15.249	225	17450	5.493	ug/l	97
95) Naphthalene	15.385	128	35478	4.370	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	19737	4.711	ug/l	95

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

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