

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074450.D
 Acq On : 05 Oct 2022 12:55
 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 :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 06 01:23:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:15:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	110791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	197047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	5280	5.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.820%#		
35) Dibromofluoromethane	7.804	113	5917	4.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.200%#		
50) Toluene-d8	10.269	98	23633	5.161	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.320%#		
62) 4-Bromofluorobenzene	12.569	95	6992	3.883	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	7.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4814	5.040	ug/l	91
3) Chloromethane	2.146	50	7821	7.829	ug/l #	80
4) Vinyl Chloride	2.281	62	5555	6.367	ug/l #	88
5) Bromomethane	2.693	94	3463	5.466	ug/l	100
6) Chloroethane	2.834	64	3734	6.401	ug/l	100
7) Trichlorofluoromethane	3.169	101	9263	4.982	ug/l	90
8) Diethyl Ether	3.593	74	2730	4.953	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.969	101	5864	4.722	ug/l	97
10) Methyl Iodide	4.152	142	3951	3.463	ug/l #	90
11) Tert butyl alcohol	5.010	59	7583	42.467	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	6389	5.343	ug/l	94
13) Acrolein	3.793	56	1396	20.478	ug/l	99
14) Allyl chloride	4.563	41	6978	5.552	ug/l	98
15) Acrylonitrile	5.257	53	5222	22.734	ug/l #	87
16) Acetone	4.010	43	5967	29.508	ug/l #	77
17) Carbon Disulfide	4.269	76	20118	6.821	ug/l	95
18) Methyl Acetate	4.563	43	3423	5.571	ug/l	94
19) Methyl tert-butyl Ether	5.310	73	11632	4.634	ug/l	98
20) Methylene Chloride	4.799	84	13068	7.102	ug/l	97
21) trans-1,2-Dichloroethene	5.304	96	6898	5.420	ug/l	92
22) Diisopropyl ether	6.204	45	13801	4.939	ug/l #	89
23) Vinyl Acetate	6.157	43	30366m	25.025	ug/l	
24) 1,1-Dichloroethane	6.110	63	10884	5.205	ug/l	96
25) 2-Butanone	7.081	43	7289	27.455	ug/l	98
26) 2,2-Dichloropropane	7.069	77	10424	5.417	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	7639	5.203	ug/l	95
28) Bromochloromethane	7.434	49	2996	4.569	ug/l #	81
29) Tetrahydrofuran	7.440	42	3593	24.414	ug/l	93
30) Chloroform	7.593	83	11642	5.059	ug/l	96
31) Cyclohexane	7.875	56	10797	6.337	ug/l #	73
32) 1,1,1-Trichloroethane	7.793	97	10581	5.341	ug/l	97
36) 1,1-Dichloropropene	8.010	75	8626	4.799	ug/l	99
37) Ethyl Acetate	7.169	43	2793	4.720	ug/l #	85
38) Carbon Tetrachloride	7.993	117	6982	4.111	ug/l	99
39) Methylcyclohexane	9.275	83	9517	4.381	ug/l	90
40) Benzene	8.245	78	25608	4.839	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	1466	4.243	ug/l #	81
42) 1,2-Dichloroethane	8.322	62	6062	4.595	ug/l	91
43) Isopropyl Acetate	8.357	43	5347	4.649	ug/l #	92
44) Trichloroethene	9.022	130	7682	4.812	ug/l	93
45) 1,2-Dichloropropane	9.304	63	6047	4.842	ug/l	95
46) Dibromomethane	9.398	93	3168	4.312	ug/l	97
47) Bromodichloromethane	9.581	83	8371	4.454	ug/l	92
48) Methyl methacrylate	9.375	41	2495	4.864	ug/l	85
49) 1,4-Dioxane	9.381	88	636	89.622	ug/l #	72
51) 4-Methyl-2-Pentanone	10.157	43	12844	21.665	ug/l	96
52) Toluene	10.328	92	15949	4.644	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	7223	4.507	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	8907	4.407	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	4854	4.769	ug/l	92
56) Ethyl methacrylate	10.598	69	4615	3.997	ug/l	98
57) 1,3-Dichloropropane	10.881	76	7239	4.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	4440	22.987	ug/l	99
59) 2-Hexanone	10.922	43	8672	21.376	ug/l	97
60) Dibromochloromethane	11.075	129	5218	4.123	ug/l	97
61) 1,2-Dibromoethane	11.175	107	4417	4.454	ug/l	96
64) Tetrachloroethene	10.804	164	6343	4.719	ug/l	89
65) Chlorobenzene	11.604	112	17266	4.626	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	5573	4.186	ug/l	96
67) Ethyl Benzene	11.681	91	30002	4.547	ug/l	96
68) m/p-Xylenes	11.792	106	22751	8.785	ug/l	97
69) o-Xylene	12.116	106	10415	4.357	ug/l	98
70) Styrene	12.134	104	17750	4.268	ug/l	97
71) Bromoform	12.298	173	2817	3.871	ug/l #	97
73) Isopropylbenzene	12.416	105	27211	4.656	ug/l	98
74) N-amyl acetate	12.228	43	4699	5.008	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	4763	4.691	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	3364m	5.495	ug/l	
77) Bromobenzene	12.698	156	6671	4.865	ug/l	92
78) n-propylbenzene	12.757	91	33592	4.756	ug/l	100
79) 2-Chlorotoluene	12.845	91	18292	4.819	ug/l	97
80) 1,3,5-Trimethylbenzene	12.898	105	22913	4.728	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1290	4.961	ug/l #	91
82) 4-Chlorotoluene	12.945	91	18654	4.789	ug/l	99
83) tert-Butylbenzene	13.163	119	19355	4.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.204	105	21661	4.504	ug/l	97
85) sec-Butylbenzene	13.339	105	30020	4.588	ug/l	100
86) p-Isopropyltoluene	13.457	119	24237	4.450	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	12735	4.513	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	13968	4.967	ug/l	96
89) n-Butylbenzene	13.780	91	22247	4.382	ug/l	98
90) Hexachloroethane	14.045	117	4327	4.477	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	11163	4.561	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	812	6.360	ug/l	68
93) 1,2,4-Trichlorobenzene	15.092	180	7058	4.274	ug/l	98
94) Hexachlorobutadiene	15.198	225	3788	4.210	ug/l	96
95) Naphthalene	15.322	128	12938	4.279	ug/l	96
96) 1,2,3-Trichlorobenzene	15.510	180	6481	4.586	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

