

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092222\
 Data File : VD074400.D
 Acq On : 22 Sep 2022 12:40
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/23/2022
 Supervised By :Mahesh Dadoda 09/23/2022

Quant Time: Sep 23 07:04:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 23 06:55:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	88505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	145088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	135542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	65975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90980	96.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.260%#			
35) Dibromofluoromethane	7.810	113	90869	90.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 180.480%#			
50) Toluene-d8	10.269	98	377195	106.402	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 212.800%#			
62) 4-Bromofluorobenzene	12.569	95	116909	84.287	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 168.580%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	71873	90.936	ug/l	98
3) Chloromethane	2.140	50	87677	81.452	ug/l	100
4) Vinyl Chloride	2.275	62	62201	95.777	ug/l	97
5) Bromomethane	2.670	94	24156	102.688	ug/l	98
6) Chloroethane	2.822	64	39929	97.252	ug/l	99
7) Trichlorofluoromethane	3.164	101	142918	97.727	ug/l	97
8) Diethyl Ether	3.587	74	50022	101.076	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	95032	96.921	ug/l	98
10) Methyl Iodide	4.152	142	95532	138.071	ug/l	96
11) Tert butyl alcohol	5.058	59	46894	181.963	ug/l #	83
12) 1,1-Dichloroethene	3.928	96	94114	98.446	ug/l	98
13) Acrolein	3.793	56	13727	383.064	ug/l	100
14) Allyl chloride	4.552	41	143085	98.808	ug/l	99
15) Acrylonitrile	5.252	53	120647	504.321	ug/l	99
16) Acetone	4.017	43	93702	471.381	ug/l	99
17) Carbon Disulfide	4.264	76	250643	97.648	ug/l	100
18) Methyl Acetate	4.558	43	61804	89.544	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	231899	99.950	ug/l	99
20) Methylene Chloride	4.793	84	116191	55.945	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	104881	98.156	ug/l	96
22) Diisopropyl ether	6.216	45	317900	99.151	ug/l	98
23) Vinyl Acetate	6.152	43	812222	578.533	ug/l	99
24) 1,1-Dichloroethane	6.111	63	197605	97.926	ug/l	96
25) 2-Butanone	7.081	43	149120	464.834	ug/l	98
26) 2,2-Dichloropropane	7.069	77	168812	94.026	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	126064	100.270	ug/l	97
28) Bromochloromethane	7.422	49	72598	97.498	ug/l	97
29) Tetrahydrofuran	7.446	42	92188	496.998	ug/l	99
30) Chloroform	7.593	83	191872	96.446	ug/l	92
31) Cyclohexane	7.875	56	164668	93.557	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	169459	98.973	ug/l	99
36) 1,1-Dichloropropene	8.005	75	152245	102.937	ug/l	99
37) Ethyl Acetate	7.169	43	65800	104.870	ug/l	99
38) Carbon Tetrachloride	7.987	117	136674	111.976	ug/l	96
39) Methylcyclohexane	9.269	83	185029	106.255	ug/l	99
40) Benzene	8.252	78	442614	102.963	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	39473	116.946	ug/l	96
42) 1,2-Dichloroethane	8.322	62	112470	102.588	ug/l	100
43) Isopropyl Acetate	8.357	43	126798	102.443	ug/l	100
44) Trichloroethene	9.028	130	114251	102.242	ug/l	98
45) 1,2-Dichloropropane	9.305	63	114705	102.070	ug/l	100
46) Dibromomethane	9.393	93	58662	104.361	ug/l	92
47) Bromodichloromethane	9.581	83	146573	104.293	ug/l	96
48) Methyl methacrylate	9.381	41	59964	105.236	ug/l	98
49) 1,4-Dioxane	9.381	88	14530	2194.491	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	335389	525.415	ug/l	100
52) Toluene	10.328	92	280398	104.285	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	145965	107.882	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	174652	104.954	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	79882	101.112	ug/l	98
56) Ethyl methacrylate	10.599	69	108445	109.073	ug/l	98
57) 1,3-Dichloropropane	10.881	76	142060	102.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	107826	637.885	ug/l	99
59) 2-Hexanone	10.916	43	230637	528.856	ug/l	98
60) Dibromochloromethane	11.075	129	93026	103.109	ug/l	99
61) 1,2-Dibromoethane	11.175	107	72516	101.205	ug/l	98
64) Tetrachloroethene	10.810	164	94761	96.685	ug/l	93
65) Chlorobenzene	11.604	112	291242	100.557	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	104544	104.393	ug/l	98
67) Ethyl Benzene	11.681	91	552426	102.828	ug/l	97
68) m/p-Xylenes	11.793	106	423354	210.127	ug/l	100
69) o-Xylene	12.116	106	197349	103.183	ug/l	96
70) Styrene	12.134	104	337937	102.097	ug/l	98
71) Bromoform	12.298	173	52958	101.102	ug/l #	99
73) Isopropylbenzene	12.416	105	529474	103.205	ug/l	99
74) N-amyl acetate	12.228	43	120600	102.320	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	93088	99.655	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	65520m	115.604	ug/l	
77) Bromobenzene	12.698	156	113569	100.653	ug/l	99
78) n-propylbenzene	12.757	91	658592	103.278	ug/l	99
79) 2-Chlorotoluene	12.845	91	343167	100.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	428102	100.716	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	29519	110.130	ug/l #	100
82) 4-Chlorotoluene	12.945	91	350419	100.068	ug/l	99
83) tert-Butylbenzene	13.163	119	381107	102.712	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	423322	101.032	ug/l	100
85) sec-Butylbenzene	13.340	105	582930	102.813	ug/l	100
86) p-Isopropyltoluene	13.457	119	483147	103.859	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	233906	101.653	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	225543	97.948	ug/l	99
89) n-Butylbenzene	13.781	91	472343	103.262	ug/l	100
90) Hexachloroethane	14.045	117	80350	105.937	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	197029	99.100	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13478	101.777	ug/l	91
93) 1,2,4-Trichlorobenzene	15.092	180	134101	102.955	ug/l	99
94) Hexachlorobutadiene	15.198	225	75809	103.050	ug/l	97
95) Naphthalene	15.328	128	270180	107.661	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	117135	102.587	ug/l	99

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

