

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092222\
 Data File : VD074397.D
 Acq On : 22 Sep 2022 11:15
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 07:03:15 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	82274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	134324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	64718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8796	10.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.100%#		
35) Dibromofluoromethane	7.799	113	11632	11.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.420%#		
50) Toluene-d8	10.269	98	30349	8.676	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	17.360%#		
62) 4-Bromofluorobenzene	12.569	95	18529	13.538	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	27.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	7673	10.443	ug/l	93
3) Chloromethane	2.140	50	12589	12.581	ug/l	93
4) Vinyl Chloride	2.275	62	6768	11.211	ug/l	99
5) Bromomethane	2.681	94	1954	8.936	ug/l	93
6) Chloroethane	2.828	64	4011	10.509	ug/l #	80
7) Trichlorofluoromethane	3.164	101	14551	10.704	ug/l	91
8) Diethyl Ether	3.599	74	4764	10.355	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	9659	10.597	ug/l	97
10) Methyl Iodide	4.164	142	3759	5.844	ug/l #	96
11) Tert butyl alcohol	5.016	59	15441	64.454	ug/l #	74
12) 1,1-Dichloroethene	3.934	96	9249	10.407	ug/l #	86
13) Acrolein	3.799	56	2269	68.114	ug/l #	73
14) Allyl chloride	4.552	41	14495	10.768	ug/l	98
15) Acrylonitrile	5.252	53	11016	49.536	ug/l	97
16) Acetone	4.028	43	8798	47.612	ug/l	93
17) Carbon Disulfide	4.263	76	27104	11.359	ug/l	97
18) Methyl Acetate	4.563	43	5760	8.977	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	21698	10.060	ug/l #	89
20) Methylene Chloride	4.793	84	24016	12.439	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	10752	10.825	ug/l	97
22) Diisopropyl ether	6.210	45	30197	10.132	ug/l	95
23) Vinyl Acetate	6.146	43	62762	48.090	ug/l	98
24) 1,1-Dichloroethane	6.105	63	19569	10.432	ug/l #	94
25) 2-Butanone	7.081	43	14744	49.440	ug/l	97
26) 2,2-Dichloropropane	7.075	77	17385	10.417	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	12025	10.289	ug/l	98
28) Bromochloromethane	7.422	49	7005	10.120	ug/l #	90
29) Tetrahydrofuran	7.434	42	8207	47.596	ug/l	99
30) Chloroform	7.593	83	19580	10.587	ug/l	93
31) Cyclohexane	7.875	56	18223	11.138	ug/l #	95
32) 1,1,1-Trichloroethane	7.793	97	16546	10.396	ug/l	99
36) 1,1-Dichloropropene	8.004	75	14716	10.083	ug/l	99
37) Ethyl Acetate	7.169	43	6021	9.725	ug/l #	85
38) Carbon Tetrachloride	7.993	117	11245	9.336	ug/l	96
39) Methylcyclohexane	9.269	83	18141	10.557	ug/l	94
40) Benzene	8.252	78	43924	10.355	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	3256m	9.776	ug/l	
42) 1,2-Dichloroethane	8.316	62	10763	9.949	ug/l	98
43) Isopropyl Acetate	8.363	43	11957	9.790	ug/l	99
44) Trichloroethene	9.028	130	11660	10.574	ug/l	96
45) 1,2-Dichloropropane	9.304	63	11557	10.422	ug/l	97
46) Dibromomethane	9.393	93	5502	9.919	ug/l	94
47) Bromodichloromethane	9.581	83	13716	9.890	ug/l	96
48) Methyl methacrylate	9.381	41	5411	9.623	ug/l	92
49) 1,4-Dioxane	9.381	88	1294	198.053	ug/l	100
51) 4-Methyl-2-Pentanone	10.157	43	29086	46.176	ug/l	97
52) Toluene	10.334	92	27104	10.215	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	12709	9.519	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	16226	9.881	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	7931	10.173	ug/l	90
56) Ethyl methacrylate	10.598	69	9299	9.478	ug/l	96
57) 1,3-Dichloropropane	10.875	76	13331	9.783	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.869	63	5186	31.091	ug/l	95
59) 2-Hexanone	10.916	43	19868	46.168	ug/l	95
60) Dibromochloromethane	11.075	129	8700	9.772	ug/l	95
61) 1,2-Dibromoethane	11.175	107	7289	10.309	ug/l	96
64) Tetrachloroethene	10.804	164	10718	11.035	ug/l	90
65) Chlorobenzene	11.604	112	29405	10.245	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	9835	9.910	ug/l	96
67) Ethyl Benzene	11.681	91	53088	9.971	ug/l	100
68) m/p-Xylenes	11.787	106	39395	19.731	ug/l	97
69) o-Xylene	12.116	106	18576	9.800	ug/l	95
70) Styrene	12.134	104	32847	10.014	ug/l	99
71) Bromoform	12.298	173	4857	9.357	ug/l #	95
73) Isopropylbenzene	12.416	105	51255	10.185	ug/l	100
74) N-amyl acetate	12.228	43	10746	9.294	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.663	83	8711	9.507	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	6476m	11.648	ug/l	
77) Bromobenzene	12.698	156	10979	9.919	ug/l	98
78) n-propylbenzene	12.757	91	63568	10.162	ug/l	99
79) 2-Chlorotoluene	12.845	91	34265	10.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	41813	10.028	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	2456	9.341	ug/l #	100
82) 4-Chlorotoluene	12.945	91	36002	10.481	ug/l	100
83) tert-Butylbenzene	13.163	119	36845	10.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	41827	10.177	ug/l	100
85) sec-Butylbenzene	13.339	105	56958	10.241	ug/l	99
86) p-Isopropyltoluene	13.457	119	46095	10.101	ug/l	98
87) 1,3-Dichlorobenzene	13.451	146	22840	10.119	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	23360	10.342	ug/l	97
89) n-Butylbenzene	13.781	91	45940	10.238	ug/l	99
90) Hexachloroethane	14.045	117	7159	9.622	ug/l	93
91) 1,2-Dichlorobenzene	13.822	146	19803	10.154	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.434	75	1104	8.499	ug/l	94
93) 1,2,4-Trichlorobenzene	15.092	180	12254	9.591	ug/l	95
94) Hexachlorobutadiene	15.198	225	7343	10.175	ug/l	99
95) Naphthalene	15.328	128	22350	9.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	11047	9.863	ug/l	99

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

