

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092222\
 Data File : VD074398.D
 Acq On : 22 Sep 2022 11:43
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 07:03:35 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	81631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	140681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	131203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17162	19.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.520%#		
35) Dibromofluoromethane	7.799	113	23560	24.131	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	48.260%#		
50) Toluene-d8	10.263	98	58792	17.104	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	34.200%#		
62) 4-Bromofluorobenzene	12.569	95	36000	26.768	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	53.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	16429	22.537	ug/l	95
3) Chloromethane	2.140	50	23280	23.448	ug/l	97
4) Vinyl Chloride	2.275	62	13184	22.010	ug/l	91
5) Bromomethane	2.664	94	4434	20.436	ug/l	96
6) Chloroethane	2.822	64	8055	21.271	ug/l #	83
7) Trichlorofluoromethane	3.164	101	28142	20.864	ug/l	99
8) Diethyl Ether	3.587	74	9356	20.497	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	18645	20.617	ug/l	93
10) Methyl Iodide	4.158	142	10697	16.762	ug/l	97
11) Tert butyl alcohol	5.016	59	25345	106.628	ug/l #	76
12) 1,1-Dichloroethene	3.934	96	19304	21.893	ug/l	96
13) Acrolein	3.799	56	4956	149.948	ug/l	96
14) Allyl chloride	4.552	41	27864	20.862	ug/l	97
15) Acrylonitrile	5.258	53	22883	103.709	ug/l	99
16) Acetone	4.016	43	17790	97.031	ug/l	100
17) Carbon Disulfide	4.263	76	53647	22.660	ug/l #	95
18) Methyl Acetate	4.563	43	13095	20.570	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	42838	20.018	ug/l	96
20) Methylene Chloride	4.799	84	36393	18.998	ug/l	97
21) trans-1,2-Dichloroethene	5.299	96	20384	20.683	ug/l	97
22) Diisopropyl ether	6.216	45	60800	20.560	ug/l	96
23) Vinyl Acetate	6.152	43	135095m	104.329	ug/l	
24) 1,1-Dichloroethane	6.105	63	37793	20.306	ug/l	96
25) 2-Butanone	7.081	43	29165	98.568	ug/l	98
26) 2,2-Dichloropropane	7.075	77	32684	19.738	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	23512	20.276	ug/l	100
28) Bromochloromethane	7.422	49	13606	19.811	ug/l	97
29) Tetrahydrofuran	7.446	42	17207	100.577	ug/l	98
30) Chloroform	7.599	83	37778	20.588	ug/l	94
31) Cyclohexane	7.875	56	33776	20.806	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	33039	20.921	ug/l	98
36) 1,1-Dichloropropene	8.004	75	30594	21.333	ug/l	97
37) Ethyl Acetate	7.169	43	11722	19.267	ug/l	99
38) Carbon Tetrachloride	7.993	117	24014	20.291	ug/l	96
39) Methylcyclohexane	9.275	83	34292	20.309	ug/l	99
40) Benzene	8.246	78	86091	20.654	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7241	22.125	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	22504	21.170	ug/l	95
43) Isopropyl Acetate	8.357	43	23920	19.931	ug/l	97
44) Trichloroethene	9.022	130	22619	20.876	ug/l	86
45) 1,2-Dichloropropane	9.304	63	21600	19.823	ug/l	98
46) Dibromomethane	9.393	93	10875	19.953	ug/l	94
47) Bromodichloromethane	9.581	83	26876	19.723	ug/l	98
48) Methyl methacrylate	9.381	41	10278	18.603	ug/l	89
49) 1,4-Dioxane	9.381	88	2550	397.196	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	62193	100.483	ug/l	99
52) Toluene	10.334	92	53005	20.331	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	25880	19.727	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	31799	19.708	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	15567	20.321	ug/l	90
56) Ethyl methacrylate	10.598	69	19257	19.975	ug/l	95
57) 1,3-Dichloropropane	10.875	76	27326	20.408	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	12603	76.893	ug/l	99
59) 2-Hexanone	10.922	43	43045	101.795	ug/l	97
60) Dibromochloromethane	11.069	129	17547	20.058	ug/l	99
61) 1,2-Dibromoethane	11.175	107	13314	19.163	ug/l	94
64) Tetrachloroethene	10.810	164	18912	19.934	ug/l	90
65) Chlorobenzene	11.604	112	55896	19.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	19369	19.981	ug/l	98
67) Ethyl Benzene	11.681	91	105626	20.311	ug/l	100
68) m/p-Xylenes	11.787	106	78977	40.496	ug/l	99
69) o-Xylene	12.116	106	37437	20.221	ug/l	97
70) Styrene	12.134	104	64723	20.201	ug/l	99
71) Bromoform	12.293	173	10490	20.689	ug/l #	98
73) Isopropylbenzene	12.416	105	99029	19.651	ug/l	98
74) N-amyl acetate	12.228	43	22771	19.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	17698	19.288	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	10665m	19.157	ug/l	
77) Bromobenzene	12.698	156	22350	20.165	ug/l	95
78) n-propylbenzene	12.757	91	122895	19.619	ug/l	99
79) 2-Chlorotoluene	12.845	91	66034	19.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	83977	20.113	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	5039	19.138	ug/l #	100
82) 4-Chlorotoluene	12.940	91	68672	19.964	ug/l	98
83) tert-Butylbenzene	13.163	119	70385	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	82293	19.994	ug/l	98
85) sec-Butylbenzene	13.339	105	109494	19.660	ug/l	99
86) p-Isopropyltoluene	13.457	119	89896	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	44456	19.668	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	44980	19.886	ug/l	99
89) n-Butylbenzene	13.781	91	89807	19.987	ug/l	97
90) Hexachloroethane	14.045	117	14018	18.815	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	39840	20.400	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2531	19.457	ug/l	95
93) 1,2,4-Trichlorobenzene	15.092	180	24321	19.009	ug/l	99
94) Hexachlorobutadiene	15.204	225	13830	19.138	ug/l	100
95) Naphthalene	15.328	128	47583	19.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	21454	19.128	ug/l	99

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

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