

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074326.D
 Acq On : 16 Sep 2022 13:01
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:39:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 02:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	101634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	171366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	160444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	75701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	19240	19.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.880%#		
35) Dibromofluoromethane	7.805	113	26382	23.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.760%#		
50) Toluene-d8	10.269	98	63829	16.390	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	32.780%#		
62) 4-Bromofluorobenzene	12.569	95	40810	26.986	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	53.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	19961	21.320	ug/l	91
3) Chloromethane	2.146	50	19299	21.676	ug/l	89
4) Vinyl Chloride	2.275	62	18195	20.822	ug/l	97
5) Bromomethane	2.664	94	10312	19.088	ug/l	98
6) Chloroethane	2.822	64	10619	20.684	ug/l	94
7) Trichlorofluoromethane	3.164	101	34864	20.475	ug/l	95
8) Diethyl Ether	3.587	74	11094	20.439	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.964	101	21429	20.014	ug/l	98
10) Methyl Iodide	4.158	142	27093	20.485	ug/l	98
11) Tert butyl alcohol	5.063	59	6950	103.887	ug/l #	88
12) 1,1-Dichloroethene	3.928	96	21943	20.134	ug/l	97
13) Acrolein	3.799	56	8688	120.420	ug/l	93
14) Allyl chloride	4.558	41	31871	20.206	ug/l	97
15) Acrylonitrile	5.258	53	25241	105.502	ug/l	98
16) Acetone	4.028	43	20893	93.681	ug/l	89
17) Carbon Disulfide	4.264	76	74314	20.941	ug/l	100
18) Methyl Acetate	4.564	43	12877	19.437	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	47305	20.268	ug/l	98
20) Methylene Chloride	4.799	84	35263	18.608	ug/l	95
21) trans-1,2-Dichloroethene	5.299	96	25236	20.913	ug/l	99
22) Diisopropyl ether	6.210	45	67353	20.274	ug/l	95
23) Vinyl Acetate	6.158	43	146642	96.510	ug/l	97
24) 1,1-Dichloroethane	6.111	63	43544	20.363	ug/l	94
25) 2-Butanone	7.081	43	31675	95.355	ug/l	91
26) 2,2-Dichloropropane	7.069	77	32615	18.476	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	27220	20.359	ug/l	99
28) Bromochloromethane	7.422	49	16539	20.030	ug/l	94
29) Tetrahydrofuran	7.446	42	19624	103.084	ug/l	99
30) Chloroform	7.593	83	42626	20.272	ug/l	88
31) Cyclohexane	7.875	56	41809	20.137	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	38253	20.623	ug/l	99
36) 1,1-Dichloropropene	8.005	75	34933	20.277	ug/l	98
37) Ethyl Acetate	7.163	43	14661	21.242	ug/l #	95
38) Carbon Tetrachloride	7.987	117	30491	19.971	ug/l	98
39) Methylcyclohexane	9.275	83	42075	20.191	ug/l	99
40) Benzene	8.252	78	98992	20.492	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6924	18.911	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	25124	20.364	ug/l	99
43) Isopropyl Acetate	8.363	43	25652	20.145	ug/l	97
44) Trichloroethene	9.028	130	25750	20.275	ug/l	91
45) 1,2-Dichloropropane	9.304	63	24274	19.980	ug/l	97
46) Dibromomethane	9.393	93	12420	19.875	ug/l	96
47) Bromodichloromethane	9.581	83	31617	20.541	ug/l	97
48) Methyl methacrylate	9.381	41	13025	21.137	ug/l	99
49) 1,4-Dioxane	9.387	88	2989	437.068	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	66077	98.766	ug/l	100
52) Toluene	10.334	92	60447	20.315	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	26440	19.253	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	34620	19.486	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	16543	20.097	ug/l	94
56) Ethyl methacrylate	10.593	69	21299	19.752	ug/l	96
57) 1,3-Dichloropropane	10.875	76	30243	20.328	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	22584	82.367	ug/l	100
59) 2-Hexanone	10.916	43	47676	101.880	ug/l	96
60) Dibromochloromethane	11.075	129	20380	20.675	ug/l	98
61) 1,2-Dibromoethane	11.175	107	16088	20.351	ug/l	97
64) Tetrachloroethene	10.810	164	20800	19.126	ug/l	96
65) Chlorobenzene	11.604	112	64948	19.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	22035	19.413	ug/l	98
67) Ethyl Benzene	11.681	91	117632	19.398	ug/l	99
68) m/p-Xylenes	11.787	106	90773	39.078	ug/l	99
69) o-Xylene	12.116	106	41412	19.508	ug/l	96
70) Styrene	12.128	104	71721	19.838	ug/l	98
71) Bromoform	12.293	173	12422	20.394	ug/l #	98
73) Isopropylbenzene	12.416	105	112062	19.247	ug/l	99
74) N-amyl acetate	12.228	43	24846	19.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	19879	19.651	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	13488m	19.219	ug/l	
77) Bromobenzene	12.693	156	24795	19.489	ug/l	99
78) n-propylbenzene	12.757	91	141782	19.631	ug/l	98
79) 2-Chlorotoluene	12.845	91	74604	19.587	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	94537	19.858	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.457	75	4723	16.900	ug/l #	100
82) 4-Chlorotoluene	12.940	91	78390	19.846	ug/l	98
83) tert-Butylbenzene	13.157	119	81877	19.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	93011	19.858	ug/l	99
85) sec-Butylbenzene	13.340	105	123349	19.689	ug/l	98
86) p-Isopropyltoluene	13.451	119	103793	19.824	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	50787	19.420	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	51245	20.050	ug/l	98
89) n-Butylbenzene	13.781	91	101054	19.706	ug/l	99
90) Hexachloroethane	14.045	117	18443	18.664	ug/l	99
91) 1,2-Dichlorobenzene	13.822	146	43529	19.740	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2645	17.589	ug/l	96
93) 1,2,4-Trichlorobenzene	15.086	180	28779	19.347	ug/l	100
94) Hexachlorobutadiene	15.192	225	16192	19.160	ug/l	98
95) Naphthalene	15.322	128	52101	18.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	24272	18.986	ug/l	98

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

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