

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073313.D
 Acq On : 24 May 2022 06:44
 Operator : VA/SY
 Sample : N2949-13MS
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-0612-01MS

Quant Time: May 24 08:18:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	217293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	405702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	377329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	166194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	161953	67.441	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.880%			
35) Dibromofluoromethane	7.908	113	156376	58.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.820%			
50) Toluene-d8	10.332	98	519662	52.659	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.620	95	176231	50.886	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	92528	42.615	ug/l	96
3) Chloromethane	2.209	50	112025	45.628	ug/l	99
4) Vinyl Chloride	2.350	62	101968	45.419	ug/l	95
5) Bromomethane	2.762	94	72947	50.744	ug/l	95
6) Chloroethane	2.920	64	72093	52.236	ug/l	98
7) Trichlorofluoromethane	3.267	101	185457	46.718	ug/l	98
8) Diethyl Ether	3.709	74	72855	66.789	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	106921	45.141	ug/l	98
10) Methyl Iodide	4.297	142	113242	44.314	ug/l	98
11) Tert butyl alcohol	5.209	59	80333	215.615	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	107087	49.039	ug/l	86
13) Acrolein	3.914	56	4462	13.537	ug/l	97
14) Allyl chloride	4.709	41	183999	52.200	ug/l	89
15) Acrylonitrile	5.414	53	151879	304.484	ug/l	98
16) Acetone	4.156	43	153584	369.240	ug/l	91
17) Carbon Disulfide	4.403	76	276058	38.134	ug/l	96
18) Methyl Acetate	4.714	43	181142	156.613	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	356675	71.695	ug/l	99
20) Methylene Chloride	4.961	84	193120	75.212	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	137085	51.920	ug/l	98
22) Diisopropyl ether	6.361	45	486907	65.894	ug/l	91
23) Vinyl Acetate	6.303	43	488207m	123.866	ug/l	
24) 1,1-Dichloroethane	6.256	63	274063	57.783	ug/l	98
25) 2-Butanone	7.208	43	209820	344.789	ug/l	90
26) 2,2-Dichloropropane	7.203	77	176812	43.713	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	173065	59.238	ug/l	88
28) Bromochloromethane	7.538	49	99812	61.084	ug/l #	77
29) Tetrahydrofuran	7.555	42	144491	367.198	ug/l	92
30) Chloroform	7.708	83	305391	61.674	ug/l	98
31) Cyclohexane	7.985	56	154259	36.759	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	226219	52.235	ug/l	96
36) 1,1-Dichloropropene	8.108	75	172384	42.815	ug/l	95
37) Ethyl Acetate	7.291	43	44248	27.823	ug/l #	78
38) Carbon Tetrachloride	8.091	117	180778	44.294	ug/l	99
39) Methylcyclohexane	9.349	83	149052	33.218	ug/l	98
40) Benzene	8.344	78	598780	51.602	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	46681	50.379	ug/l	88
42) 1,2-Dichloroethane	8.420	62	190583	59.027	ug/l	95
43) Isopropyl Acetate	8.444	43	116778	39.726	ug/l #	84
44) Trichloroethene	9.108	130	147879	47.790	ug/l	87
45) 1,2-Dichloropropane	9.379	63	167269	57.239	ug/l	99
46) Dibromomethane	9.467	93	94922	59.142	ug/l	97
47) Bromodichloromethane	9.655	83	240336	58.524	ug/l	96
48) Methyl methacrylate	9.449	41	96493	65.245	ug/l	88
49) 1,4-Dioxane	9.449	88	22267	1343.439	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	495266	324.391	ug/l	93
52) Toluene	10.396	92	372984	50.866	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	196544	52.976	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	229132	51.609	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	133302	61.420	ug/l	98
56) Ethyl methacrylate	10.649	69	84952	35.205	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	222353	61.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	313365	271.313	ug/l	95
59) 2-Hexanone	10.973	43	282476	280.632	ug/l	93
60) Dibromochloromethane	11.132	129	159418	58.907	ug/l	99
61) 1,2-Dibromoethane	11.238	107	121653	58.658	ug/l	97
64) Tetrachloroethene	10.867	164	133199	53.896	ug/l	95
65) Chlorobenzene	11.661	112	387808	50.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	163654	57.006	ug/l	98
67) Ethyl Benzene	11.732	91	635569	46.772	ug/l	97
68) m/p-Xylenes	11.843	106	507132	96.058	ug/l	98
69) o-Xylene	12.173	106	245585	50.637	ug/l	94
70) Styrene	12.185	104	439260	52.642	ug/l	96
71) Bromoform	12.349	173	90488	61.243	ug/l #	97
73) Isopropylbenzene	12.467	105	573774	48.429	ug/l	99
74) N-amyl acetate	12.279	43	60974	23.591	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.714	83	143761	65.791	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	103864m	63.695	ug/l	
77) Bromobenzene	12.749	156	157127	56.338	ug/l	93
78) n-propylbenzene	12.808	91	696451	46.823	ug/l	99
79) 2-Chlorotoluene	12.896	91	433929	50.527	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	496352	49.455	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	36011	53.016	ug/l	90
82) 4-Chlorotoluene	12.990	91	454917	50.537	ug/l	100
83) tert-Butylbenzene	13.208	119	407097	48.128	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	503309	50.763	ug/l	98
85) sec-Butylbenzene	13.390	105	579385	44.860	ug/l	100
86) p-Isopropyltoluene	13.502	119	477820	45.384	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	281099	50.003	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	280161	49.370	ug/l	100
89) n-Butylbenzene	13.826	91	405794	40.452	ug/l	99
90) Hexachloroethane	14.096	117	102142	46.887	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	258472	53.140	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	21644	64.681	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	122798	44.469	ug/l	99
94) Hexachlorobutadiene	15.249	225	58718	37.734	ug/l	96
95) Naphthalene	15.384	128	266420	49.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	112472	45.943	ug/l	99

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

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