

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067833.D
 Acq On : 01 Dec 2020 13:43
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:07 PM

Quant Time: Dec 02 08:13:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	240000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	324374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127930	49.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.30%
35) Dibromofluoromethane	7.92	113	121534	52.04	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.08%
50) Toluene-d8	10.34	98	424295	50.47	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.94%
62) 4-Bromofluorobenzene	12.64	95	153918	52.96	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108826	52.103	ug/l	100
3) Chloromethane	2.21	50	66257	54.967	ug/l	94
4) Vinyl Chloride	2.35	62	78694	51.837	ug/l	94
5) Bromomethane	2.77	94	69565	51.331	ug/l	95
6) Chloroethane	2.93	64	50061	50.648	ug/l	94
7) Trichlorofluoromethane	3.27	101	228506	49.189	ug/l	100
8) Diethyl Ether	3.71	74	47787	52.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108995	51.454	ug/l	99
10) Methyl Iodide	4.30	142	112963	50.311	ug/l	98
11) Tert butyl alcohol	5.23	59	34757	266.056	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	99578	50.071	ug/l	97
13) Acrolein	3.93	56	25982	262.415	ug/l	98
14) Allyl chloride	4.71	41	99081	53.854	ug/l	98
15) Acrylonitrile	5.42	53	82938	264.175	ug/l	98
16) Acetone	4.16	43	82541	259.256	ug/l #	86
17) Carbon Disulfide	4.41	76	285132	51.351	ug/l	100
18) Methyl Acetate	4.71	43	32596	54.621	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	236400	55.512	ug/l	98
20) Methylene Chloride	4.96	84	112754	55.091	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	113658	50.223	ug/l	91
22) Diisopropyl ether	6.37	45	202206	54.645	ug/l	94
23) Vinyl Acetate	6.31	43	591071	287.129	ug/l	100
24) 1,1-Dichloroethane	6.27	63	167071	51.506	ug/l	98
25) 2-Butanone	7.21	43	92182	275.277	ug/l	92
26) 2,2-Dichloropropane	7.21	77	197102	50.957	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	127836	51.645	ug/l	99
28) Bromochloromethane	7.55	49	56246	54.615	ug/l	98
29) Tetrahydrofuran	7.57	42	52405	274.846	ug/l	99
30) Chloroform	7.71	83	221712	51.146	ug/l	100
31) Cyclohexane	7.99	56	133192	49.067	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	231485	50.588	ug/l	99
36) 1,1-Dichloropropene	8.11	75	153900	50.942	ug/l	98
37) Ethyl Acetate	7.29	43	40748	50.045	ug/l #	88
38) Carbon Tetrachloride	8.10	117	225300	49.289	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184898	51.646	ug/l	97
40) Benzene	8.36	78	420226	50.835	ug/l	98
41) Methacrylonitrile	7.53	41	24156	63.700	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	149245	50.656	ug/l	99
43) Isopropyl Acetate	8.46	43	81911	51.128	ug/l	98
44) Trichloroethene	9.11	130	140118	49.300	ug/l	94
45) 1,2-Dichloropropane	9.39	63	85199	50.216	ug/l	97
46) Dibromomethane	9.48	93	58996	50.012	ug/l	93
47) Bromodichloromethane	9.67	83	169967	50.540	ug/l	100
48) Methyl methacrylate	9.46	41	42789	52.598	ug/l	96
49) 1,4-Dioxane	9.47	88	13603	1009.179	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	201899	266.270	ug/l	100
52) Toluene	10.41	92	289379	50.069	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	151890	52.328	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	164157	51.992	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	80037	49.578	ug/l	97
56) Ethyl methacrylate	10.67	69	84561	51.482	ug/l	96
57) 1,3-Dichloropropane	10.95	76	127877	50.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	209051	279.701	ug/l	99
59) 2-Hexanone	10.98	43	143528	268.515	ug/l	99
60) Dibromochloromethane	11.14	129	126520	51.990	ug/l	97
61) 1,2-Dibromoethane	11.25	107	79489	50.070	ug/l	100
64) Tetrachloroethene	10.88	164	127628	48.237	ug/l	97
65) Chlorobenzene	11.67	112	331577	49.540	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	135340	49.577	ug/l	97
67) Ethyl Benzene	11.75	91	578811	50.766	ug/l	100
68) m/p-Xylenes	11.86	106	445412	99.073	ug/l	99
69) o-Xylene	12.18	106	207027	51.871	ug/l	99
70) Styrene	12.20	104	355468	51.219	ug/l	99
71) Bromoform	12.36	173	73358	50.766	ug/l #	98
73) Isopropylbenzene	12.48	105	587325	51.522	ug/l	97
74) N-amyl acetate	12.29	43	72994	51.766	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	73390	48.764	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	56381m	46.706	ug/l	
77) Bromobenzene	12.76	156	143848	50.758	ug/l	97
78) n-propylbenzene	12.82	91	644173	50.985	ug/l	100
79) 2-Chlorotoluene	12.91	91	377630	50.805	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	510833	51.757	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25023	49.586	ug/l	96
82) 4-Chlorotoluene	13.01	91	398105	50.210	ug/l	99
83) tert-Butylbenzene	13.23	119	432597	51.507	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	503420	51.294	ug/l	98
85) sec-Butylbenzene	13.40	105	567325	50.610	ug/l	100
86) p-Isopropyltoluene	13.52	119	549214	49.990	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	271861	49.729	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	268661	49.123	ug/l	99
89) n-Butylbenzene	13.84	91	465053	50.951	ug/l	98
90) Hexachloroethane	14.11	117	99982	49.292	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	237157	50.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14890	47.406	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	173624	52.350	ug/l	97
94) Hexachlorobutadiene	15.27	225	111586	51.561	ug/l	97
95) Naphthalene	15.40	128	291042	53.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	149157	52.077	ug/l	98

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

