

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067628.D
 Acq On : 12 Nov 2020 17:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:35:01 PM

Quant Time: Nov 13 12:26:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	137210	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.92	113	141685	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	10.34	98	486770	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.64	95	178258	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121001	43.992	ug/l	98
3) Chloromethane	2.21	50	82898	39.664	ug/l	96
4) Vinyl Chloride	2.35	62	94995	40.768	ug/l	92
5) Bromomethane	2.77	94	76129	40.309	ug/l	97
6) Chloroethane	2.93	64	61666	42.926	ug/l	97
7) Trichlorofluoromethane	3.27	101	272561	45.176	ug/l	91
8) Diethyl Ether	3.70	74	62678	51.557	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	145028	47.621	ug/l	99
10) Methyl Iodide	4.30	142	154761	47.414	ug/l	100
11) Tert butyl alcohol	5.23	59	39982	321.965	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	133642	47.708	ug/l	96
13) Acrolein	3.93	56	34564	263.615	ug/l	99
14) Allyl chloride	4.71	41	145066	48.387	ug/l	98
15) Acrylonitrile	5.42	53	118782	264.318	ug/l	99
16) Acetone	4.16	43	99117	225.701	ug/l	98
17) Carbon Disulfide	4.41	76	371982	43.335	ug/l	100
18) Methyl Acetate	4.72	43	50506	55.655	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	301774	54.615	ug/l	94
20) Methylene Chloride	4.96	84	149733	48.268	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	154045	47.214	ug/l	96
22) Diisopropyl ether	6.36	45	305498	52.290	ug/l	97
23) Vinyl Acetate	6.31	43	838526	274.190	ug/l	100
24) 1,1-Dichloroethane	6.27	63	233451	48.843	ug/l	97
25) 2-Butanone	7.21	43	125138	266.679	ug/l	98
26) 2,2-Dichloropropane	7.21	77	240833	47.743	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	167130	49.351	ug/l	97
28) Bromochloromethane	7.55	49	87181	51.279	ug/l	99
29) Tetrahydrofuran	7.57	42	78961	280.920	ug/l	99
30) Chloroform	7.71	83	283132	49.654	ug/l	97
31) Cyclohexane	7.99	56	191378	44.963	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	276482	46.995	ug/l	100
36) 1,1-Dichloropropene	8.12	75	204109	47.900	ug/l	99
37) Ethyl Acetate	7.29	43	55697	50.346	ug/l #	80
38) Carbon Tetrachloride	8.10	117	267592	48.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	245101	48.871	ug/l	96
40) Benzene	8.36	78	576124	49.913	ug/l	99
41) Methacrylonitrile	7.54	41	38364m	58.016	ug/l	
42) 1,2-Dichloroethane	8.43	62	179924	50.452	ug/l	100
43) Isopropyl Acetate	8.46	43	120311	54.990	ug/l	98
44) Trichloroethene	9.11	130	185029	48.753	ug/l	91
45) 1,2-Dichloropropane	9.39	63	124583	49.922	ug/l	98
46) Dibromomethane	9.48	93	79836	50.314	ug/l	98
47) Bromodichloromethane	9.67	83	218723	50.715	ug/l	98
48) Methyl methacrylate	9.46	41	59533	52.701	ug/l	96
49) 1,4-Dioxane	9.47	88	18061	1121.231	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	297053	283.893	ug/l	99
52) Toluene	10.41	92	419925	54.316	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	191627	51.879	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	223168	50.852	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	111037	52.888	ug/l	95
56) Ethyl methacrylate	10.67	69	117116	54.019	ug/l	97
57) 1,3-Dichloropropane	10.95	76	174010	51.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	288832	285.683	ug/l	98
59) 2-Hexanone	10.99	43	201950	276.034	ug/l	99
60) Dibromochloromethane	11.14	129	160508	51.682	ug/l	97
61) 1,2-Dibromoethane	11.25	107	109235	51.841	ug/l	97
64) Tetrachloroethene	10.88	164	162833	48.269	ug/l	94
65) Chlorobenzene	11.67	112	435148	49.594	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	176531	51.047	ug/l	99
67) Ethyl Benzene	11.75	91	764255	50.901	ug/l	97
68) m/p-Xylenes	11.86	106	587993	100.662	ug/l	99
69) o-Xylene	12.18	106	268051	51.398	ug/l	99
70) Styrene	12.20	104	462881	50.935	ug/l	100
71) Bromoform	12.37	173	94783	53.740	ug/l #	100
73) Isopropylbenzene	12.48	105	751221	50.871	ug/l	99
74) N-amyl acetate	12.29	43	106105	54.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	107256	53.264	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	81602m	59.200	ug/l	
77) Bromobenzene	12.77	156	184262	50.808	ug/l	99
78) n-propylbenzene	12.83	91	849178	50.274	ug/l	99
79) 2-Chlorotoluene	12.91	91	490212	51.091	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	647885	51.359	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	34478	50.783	ug/l	96
82) 4-Chlorotoluene	13.01	91	523728	50.894	ug/l	99
83) tert-Butylbenzene	13.23	119	565908	52.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	648900	51.677	ug/l	99
85) sec-Butylbenzene	13.41	105	744922	51.614	ug/l	99
86) p-Isopropyltoluene	13.52	119	709641	50.917	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	345895	49.984	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	336891	48.078	ug/l	98
89) n-Butylbenzene	13.85	91	610954	50.751	ug/l	100
90) Hexachloroethane	14.11	117	132330	50.419	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	300712	50.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18621	52.229	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	209490	51.536	ug/l	100
94) Hexachlorobutadiene	15.27	225	132070	48.546	ug/l	98
95) Naphthalene	15.40	128	352807	56.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	182431	52.408	ug/l	99

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

