

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067424.D
 Acq On : 27 Oct 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:14 AM

Quant Time: Oct 28 01:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	310829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	447669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	159591	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	170715	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.34	98	593422	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.64	95	208344	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102307	40.143	ug/l	94
3) Chloromethane	2.21	50	79827	40.807	ug/l	95
4) Vinyl Chloride	2.35	62	86766	40.425	ug/l	94
5) Bromomethane	2.77	94	71310	47.632	ug/l	95
6) Chloroethane	2.92	64	58761	43.959	ug/l	95
7) Trichlorofluoromethane	3.27	101	239555	44.323	ug/l	98
8) Diethyl Ether	3.70	74	61855	50.014	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	130032	45.284	ug/l	98
10) Methyl Iodide	4.30	142	119833	45.239	ug/l	100
11) Tert butyl alcohol	5.21	59	41827	260.212	ug/l	100
12) 1,1-Dichloroethene	4.07	96	119018	46.395	ug/l	99
13) Acrolein	3.93	56	38959	212.854	ug/l	99
14) Allyl chloride	4.71	41	147313	50.144	ug/l	98
15) Acrylonitrile	5.43	53	110822	268.550	ug/l	99
16) Acetone	4.16	43	106997	245.337	ug/l	99
17) Carbon Disulfide	4.41	76	304846	41.684	ug/l	99
18) Methyl Acetate	4.71	43	52614	52.892	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	277957	54.492	ug/l	98
20) Methylene Chloride	4.96	84	155881	56.372	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	148088	50.163	ug/l	93
22) Diisopropyl ether	6.37	45	294775	54.927	ug/l	95
23) Vinyl Acetate	6.30	43	848244	277.823	ug/l	99
24) 1,1-Dichloroethane	6.27	63	239068	52.041	ug/l	97
25) 2-Butanone	7.21	43	133482	268.503	ug/l	98
26) 2,2-Dichloropropane	7.21	77	220351	46.536	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	168908	52.206	ug/l	100
28) Bromochloromethane	7.55	49	84334	53.822	ug/l	96
29) Tetrahydrofuran	7.57	42	76355	276.301	ug/l	95
30) Chloroform	7.71	83	285886	52.094	ug/l	94
31) Cyclohexane	7.98	56	147538	41.135	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	266338	49.464	ug/l	100
36) 1,1-Dichloropropene	8.11	75	187740	46.605	ug/l	99
37) Ethyl Acetate	7.30	43	62572	52.794	ug/l	95
38) Carbon Tetrachloride	8.10	117	242863	47.171	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190505	45.236	ug/l	95
40) Benzene	8.36	78	562644	50.912	ug/l	98
41) Methacrylonitrile	7.53	41	28330	44.233	ug/l	92
42) 1,2-Dichloroethane	8.43	62	174146	50.353	ug/l	100
43) Isopropyl Acetate	8.46	43	125586	53.401	ug/l	98
44) Trichloroethene	9.11	130	175910	49.715	ug/l	99
45) 1,2-Dichloropropane	9.39	63	129435	50.536	ug/l	97
46) Dibromomethane	9.48	93	82916	51.960	ug/l	98
47) Bromodichloromethane	9.67	83	224762	52.571	ug/l	95
48) Methyl methacrylate	9.46	41	68357	59.811	ug/l	88
49) 1,4-Dioxane	9.46	88	17679	1149.340	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	320376	273.128	ug/l	99
52) Toluene	10.41	92	385958	51.276	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	196297	52.265	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	228500	51.986	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	113350	52.090	ug/l	98
56) Ethyl methacrylate	10.67	69	123496	54.722	ug/l	98
57) 1,3-Dichloropropane	10.95	76	186003	53.711	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	323287	279.240	ug/l	99
59) 2-Hexanone	10.99	43	215139	268.408	ug/l	97
60) Dibromochloromethane	11.14	129	162580	51.231	ug/l	98
61) 1,2-Dibromoethane	11.25	107	111240	51.853	ug/l	98
64) Tetrachloroethene	10.88	164	156518	48.256	ug/l	96
65) Chlorobenzene	11.67	112	433879	50.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	176575	51.753	ug/l	99
67) Ethyl Benzene	11.75	91	746772	50.747	ug/l	99
68) m/p-Xylenes	11.86	106	575851	101.620	ug/l	98
69) o-Xylene	12.18	106	267283	50.936	ug/l	97
70) Styrene	12.20	104	461956	51.140	ug/l	100
71) Bromoform	12.37	173	95702	52.212	ug/l #	99
73) Isopropylbenzene	12.48	105	731800	50.605	ug/l	100
74) N-amyl acetate	12.29	43	109769	50.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	113034	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	81787m	51.789	ug/l	
77) Bromobenzene	12.77	156	183533	50.906	ug/l	98
78) n-propylbenzene	12.83	91	826520	49.330	ug/l	99
79) 2-Chlorotoluene	12.91	91	486334	50.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	634722	50.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34444	49.460	ug/l	95
82) 4-Chlorotoluene	13.01	91	524423	50.852	ug/l	98
83) tert-Butylbenzene	13.23	119	542695	51.124	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	630509	50.764	ug/l	99
85) sec-Butylbenzene	13.41	105	705482	48.435	ug/l	100
86) p-Isopropyltoluene	13.52	119	672133	48.889	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337563	48.645	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	342478	49.813	ug/l	99
89) n-Butylbenzene	13.85	91	576648	47.677	ug/l	99
90) Hexachloroethane	14.11	117	116867	48.713	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	308015	50.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19204	47.707	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	207063	50.660	ug/l	99
94) Hexachlorobutadiene	15.27	225	125127	49.299	ug/l	98
95) Naphthalene	15.41	128	361713	53.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	186475	52.810	ug/l	100

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

