

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066271.D
 Acq On : 18 Aug 2020 12:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:06 PM

Quant Time: Aug 18 13:57:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	252727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	362093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	336801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	176265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	123863	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.91	113	123594	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
50) Toluene-d8	10.33	98	443660	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.63	95	169182	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89818	40.338	ug/l	97
3) Chloromethane	2.21	50	72350	41.771	ug/l	90
4) Vinyl Chloride	2.35	62	70498	45.974	ug/l	96
5) Bromomethane	2.77	94	53207	52.298	ug/l	94
6) Chloroethane	2.92	64	46533	49.435	ug/l #	80
7) Trichlorofluoromethane	3.27	101	195475	48.896	ug/l	97
8) Diethyl Ether	3.70	74	52289	46.354	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	111910	47.168	ug/l	97
10) Methyl Iodide	4.30	142	108870	50.348	ug/l	98
11) Tert butyl alcohol	5.21	59	33889	192.558	ug/l	96
12) 1,1-Dichloroethene	4.07	96	105364	47.076	ug/l	96
13) Acrolein	3.92	56	36849	205.321	ug/l	95
14) Allyl chloride	4.71	41	152836	45.074	ug/l	93
15) Acrylonitrile	5.41	53	114280	240.414	ug/l	100
16) Acetone	4.15	43	116296	271.838	ug/l	99
17) Carbon Disulfide	4.40	76	291545	40.968	ug/l	99
18) Methyl Acetate	4.71	43	50110	46.114	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	258415	50.373	ug/l	96
20) Methylene Chloride	4.97	84	126344	51.570	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	119347	46.418	ug/l	97
22) Diisopropyl ether	6.36	45	330976	49.360	ug/l	95
23) Vinyl Acetate	6.30	43	944251	240.374	ug/l	98
24) 1,1-Dichloroethane	6.26	63	203214	48.971	ug/l	98
25) 2-Butanone	7.21	43	143681	228.342	ug/l	96
26) 2,2-Dichloropropane	7.20	77	193516	52.031	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	134141	49.740	ug/l	99
28) Bromochloromethane	7.54	49	73574	50.480	ug/l	95
29) Tetrahydrofuran	7.56	42	88947	228.156	ug/l	97
30) Chloroform	7.71	83	228140	52.358	ug/l	92
31) Cyclohexane	7.98	56	166573	42.169	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	212104	51.917	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166561	48.952	ug/l	98
37) Ethyl Acetate	7.29	43	64502	47.845	ug/l	99
38) Carbon Tetrachloride	8.09	117	199566	52.595	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	190588	46.336	ug/l	96
40) Benzene	8.34	78	462657	49.015	ug/l	97
41) Methacrylonitrile	7.53	41	37675m	47.529	ug/l	
42) 1,2-Dichloroethane	8.42	62	144904	52.257	ug/l	98
43) Isopropyl Acetate	8.44	43	124594	46.906	ug/l	99
44) Trichloroethene	9.11	130	141900	49.889	ug/l	98
45) 1,2-Dichloropropane	9.38	63	114563	49.626	ug/l	95
46) Dibromomethane	9.47	93	66653	52.417	ug/l	98
47) Bromodichloromethane	9.66	83	175879	52.332	ug/l	93
48) Methyl methacrylate	9.45	41	64540	47.584	ug/l	95
49) 1,4-Dioxane	9.46	88	14836	908.131	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	324462	237.805	ug/l	99
52) Toluene	10.40	92	314784	50.681	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	166277	52.133	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	193124	51.681	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	93221	50.911	ug/l	98
56) Ethyl methacrylate	10.66	69	110879	50.408	ug/l	94
57) 1,3-Dichloropropane	10.94	76	152338	50.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	267248	270.107	ug/l	99
59) 2-Hexanone	10.98	43	229004	239.153	ug/l	99
60) Dibromochloromethane	11.14	129	130531	51.636	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88903	50.486	ug/l	98
64) Tetrachloroethene	10.87	164	125893	48.678	ug/l	95
65) Chlorobenzene	11.67	112	347457	50.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	139883	52.289	ug/l	99
67) Ethyl Benzene	11.74	91	612081	51.660	ug/l	98
68) m/p-Xylenes	11.85	106	468867	102.139	ug/l	97
69) o-Xylene	12.18	106	215256	51.548	ug/l	99
70) Styrene	12.20	104	383106	52.349	ug/l	99
71) Bromoform	12.36	173	79002	49.844	ug/l #	100
73) Isopropylbenzene	12.48	105	602912	51.241	ug/l	100
74) N-amyl acetate	12.29	43	124464	48.038	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	96847	48.271	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	64420m	43.825	ug/l	
77) Bromobenzene	12.76	156	153258	50.600	ug/l	99
78) n-propylbenzene	12.82	91	698919	51.101	ug/l	100
79) 2-Chlorotoluene	12.91	91	400589	51.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	518441	52.687	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32372	48.683	ug/l	95
82) 4-Chlorotoluene	13.01	91	432028	52.318	ug/l	99
83) tert-Butylbenzene	13.23	119	450308	52.036	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	520117	52.816	ug/l	98
85) sec-Butylbenzene	13.40	105	612902	52.458	ug/l	100
86) p-Isopropyltoluene	13.52	119	577285	52.681	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	289849	50.917	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	290668	51.200	ug/l	100
89) n-Butylbenzene	13.84	91	519514	52.914	ug/l	99
90) Hexachloroethane	14.11	117	113571	51.965	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	255419	50.735	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17734	51.429	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	189993	51.211	ug/l	99
94) Hexachlorobutadiene	15.27	225	117702	53.876	ug/l	97
95) Naphthalene	15.41	128	309285	51.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	165237	50.452	ug/l	98

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

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