

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064881.D
 Acq On : 20 Jan 2020 10:50
 Operator : VA/SY
 Sample : VD0120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:21 AM

Quant Time: Jan 21 04:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	161168	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.92	113	170075	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.34	98	646765	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.64	95	199790	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58946	20.373	ug/l	99
3) Chloromethane	2.21	50	87195	21.548	ug/l	95
4) Vinyl Chloride	2.36	62	103034	20.883	ug/l	97
5) Bromomethane	2.77	94	71303	19.876	ug/l	97
6) Chloroethane	2.93	64	70901	21.446	ug/l	97
7) Trichlorofluoromethane	3.27	101	174056	20.952	ug/l	96
8) Diethyl Ether	3.70	74	31711	19.222	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	80127	23.289	ug/l	98
10) Methyl Iodide	4.30	142	79034	21.386	ug/l	99
11) Tert butyl alcohol	5.24	59	20244	107.595	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	76213	23.267	ug/l	90
13) Acrolein	3.92	56	14561	55.531	ug/l	88
14) Allyl chloride	4.71	41	114605	22.441	ug/l	98
15) Acrylonitrile	5.43	53	64568	93.964	ug/l	99
16) Acetone	4.17	43	67202	92.934	ug/l	96
17) Carbon Disulfide	4.40	76	223893	21.139	ug/l	100
18) Methyl Acetate	4.72	43	32094	17.364	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	142193	19.544	ug/l	94
20) Methylene Chloride	4.97	84	100569	27.781	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85124	22.819	ug/l	99
22) Diisopropyl ether	6.37	45	218311	21.432	ug/l	95
23) Vinyl Acetate	6.31	43	558371	96.633	ug/l	98
24) 1,1-Dichloroethane	6.27	63	142619	23.322	ug/l	97
25) 2-Butanone	7.23	43	82509	91.431	ug/l	92
26) 2,2-Dichloropropane	7.21	77	135194	23.778	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	88628	22.015	ug/l	97
28) Bromochloromethane	7.56	49	47474	19.971	ug/l	96
29) Tetrahydrofuran	7.57	42	48282	86.035	ug/l	100
30) Chloroform	7.72	83	146202	22.788	ug/l	98
31) Cyclohexane	7.98	56	135108	22.072	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	141913	23.550	ug/l	98
36) 1,1-Dichloropropene	8.11	75	119015	23.177	ug/l	99
37) Ethyl Acetate	7.30	43	37275	18.477	ug/l	98
38) Carbon Tetrachloride	8.10	117	132041	24.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	140301	22.558	ug/l	94
40) Benzene	8.36	78	318881	22.747	ug/l	99
41) Methacrylonitrile	7.53	41	23514	20.089	ug/l	99
42) 1,2-Dichloroethane	8.43	62	87504	21.601	ug/l	96
43) Isopropyl Acetate	8.46	43	73426	18.286	ug/l	96
44) Trichloroethene	9.11	130	93158	22.621	ug/l	99
45) 1,2-Dichloropropane	9.39	63	76945	22.989	ug/l	100
46) Dibromomethane	9.48	93	38346	20.549	ug/l	100
47) Bromodichloromethane	9.67	83	111215	22.397	ug/l	96
48) Methyl methacrylate	9.46	41	36615	19.366	ug/l	98
49) 1,4-Dioxane	9.47	88	7388	343.349	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	176047	88.702	ug/l	100
52) Toluene	10.41	92	208233	22.641	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	95275	20.580	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	116987	21.430	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	50398	20.040	ug/l	97
56) Ethyl methacrylate	10.67	69	56219	17.900	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89100	20.577	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	119774	100.094	ug/l	100
59) 2-Hexanone	10.99	43	121886	90.483	ug/l	96
60) Dibromochloromethane	11.14	129	69825	20.078	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47378	19.100	ug/l	99
64) Tetrachloroethene	10.88	164	80754	23.022	ug/l	97
65) Chlorobenzene	11.67	112	217444	22.914	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	80019	22.368	ug/l	98
67) Ethyl Benzene	11.75	91	391734	22.743	ug/l	99
68) m/p-Xylenes	11.86	106	297864	44.804	ug/l	96
69) o-Xylene	12.19	106	129765	21.610	ug/l	99
70) Styrene	12.20	104	228218	21.652	ug/l	98
71) Bromoform	12.37	173	38822	19.029	ug/l #	94
73) Isopropylbenzene	12.48	105	370051	23.215	ug/l	99
74) N-amyl acetate	12.30	43	64348	18.884	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	49656	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	35046m	19.896	ug/l	
77) Bromobenzene	12.77	156	86575	22.104	ug/l	98
78) n-propylbenzene	12.83	91	442064	23.771	ug/l	99
79) 2-Chlorotoluene	12.91	91	243469	23.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	302779	23.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	15985	18.980	ug/l	93
82) 4-Chlorotoluene	13.01	91	252905	23.263	ug/l	100
83) tert-Butylbenzene	13.23	119	261496	23.001	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	300526	23.045	ug/l	100
85) sec-Butylbenzene	13.41	105	366682	23.526	ug/l	98
86) p-Isopropyltoluene	13.53	119	341553	22.918	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	167600	22.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163985	22.356	ug/l	99
89) n-Butylbenzene	13.86	91	316624	23.591	ug/l	98
90) Hexachloroethane	14.12	117	66042	23.198	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	139673	21.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7694	18.954	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97178	20.729	ug/l	99
94) Hexachlorobutadiene	15.28	225	65658	22.257	ug/l	98
95) Naphthalene	15.41	128	129272	17.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	80783	20.185	ug/l	98

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

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