

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066577.D
 Acq On : 09 Sep 2020 12:29
 Operator : VA/SY
 Sample : VD0909SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:46:49 AM

Quant Time: Sep 09 14:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	658037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	241531	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.91	113	213751	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.34	98	786343	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.63	95	261906	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80166	22.048	ug/l	91
3) Chloromethane	2.21	50	96519	19.066	ug/l	100
4) Vinyl Chloride	2.35	62	116983	20.835	ug/l	99
5) Bromomethane	2.76	94	79705	19.697	ug/l #	76
6) Chloroethane	2.92	64	74440	20.873	ug/l	98
7) Trichlorofluoromethane	3.27	101	162403	19.580	ug/l	99
8) Diethyl Ether	3.71	74	38810	18.581	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86016	19.161	ug/l	97
10) Methyl Iodide	4.30	142	70524	19.861	ug/l	98
11) Tert butyl alcohol	5.23	59	38507	99.831	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	77179	19.137	ug/l	97
13) Acrolein	3.91	56	18170	91.753	ug/l	97
14) Allyl chloride	4.71	41	120589	18.244	ug/l	95
15) Acrylonitrile	5.43	53	89512	99.763	ug/l	98
16) Acetone	4.16	43	90840	101.936	ug/l	99
17) Carbon Disulfide	4.41	76	243315	18.352	ug/l	97
18) Methyl Acetate	4.72	43	41358	19.469	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	185862	19.652	ug/l	95
20) Methylene Chloride	4.97	84	100801	16.294	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	90061	18.805	ug/l	92
22) Diisopropyl ether	6.36	45	257414	18.938	ug/l	98
23) Vinyl Acetate	6.30	43	759489	98.189	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158913	18.592	ug/l	100
25) 2-Butanone	7.21	43	115622	96.653	ug/l	100
26) 2,2-Dichloropropane	7.21	77	150287	19.168	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96695	18.775	ug/l	97
28) Bromochloromethane	7.54	49	56743	17.243	ug/l #	94
29) Tetrahydrofuran	7.56	42	71119	95.459	ug/l	99
30) Chloroform	7.71	83	170196	18.821	ug/l	99
31) Cyclohexane	7.98	56	148677	18.817	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	160411	18.868	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132811	19.394	ug/l	98
37) Ethyl Acetate	7.30	43	53715	19.698	ug/l	98
38) Carbon Tetrachloride	8.10	117	143098	19.769	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	147173	19.246	ug/l	98
40) Benzene	8.35	78	343594	18.319	ug/l	98
41) Methacrylonitrile	7.53	41	32119m	24.333	ug/l	
42) 1,2-Dichloroethane	8.43	62	115381	18.987	ug/l	99
43) Isopropyl Acetate	8.45	43	101563	19.435	ug/l	99
44) Trichloroethene	9.11	130	94079	19.123	ug/l	96
45) 1,2-Dichloropropane	9.38	63	87194	18.486	ug/l	94
46) Dibromomethane	9.47	93	51079	19.629	ug/l	98
47) Bromodichloromethane	9.66	83	135656	19.268	ug/l	99
48) Methyl methacrylate	9.46	41	46702	17.674	ug/l	86
49) 1,4-Dioxane	9.46	88	12069	422.751	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	262981	99.783	ug/l	97
52) Toluene	10.40	92	224499	18.909	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	120304	19.357	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	140574	18.835	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	66671	19.926	ug/l #	86
56) Ethyl methacrylate	10.66	69	72777	18.681	ug/l	96
57) 1,3-Dichloropropane	10.94	76	114886	19.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	206947	116.140	ug/l	97
59) 2-Hexanone	10.98	43	176846	99.781	ug/l	100
60) Dibromochloromethane	11.14	129	85720	19.374	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62351	19.155	ug/l	97
64) Tetrachloroethene	10.87	164	75718	18.950	ug/l	89
65) Chlorobenzene	11.67	112	228004	18.615	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	89778	19.205	ug/l	99
67) Ethyl Benzene	11.74	91	426221	18.951	ug/l	97
68) m/p-Xylenes	11.85	106	319437	38.253	ug/l	95
69) o-Xylene	12.18	106	144237	19.273	ug/l	100
70) Styrene	12.20	104	242964	18.674	ug/l	96
71) Bromoform	12.36	173	45818	19.449	ug/l #	98
73) Isopropylbenzene	12.48	105	400793	19.315	ug/l	99
74) N-amyl acetate	12.28	43	92397	19.660	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	68931	18.803	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	57357m	21.280	ug/l	
77) Bromobenzene	12.76	156	90895	19.648	ug/l	99
78) n-propylbenzene	12.82	91	494936	19.676	ug/l	100
79) 2-Chlorotoluene	12.91	91	268758	19.045	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	341599	19.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20739	17.963	ug/l	93
82) 4-Chlorotoluene	13.01	91	296145	19.624	ug/l	99
83) tert-Butylbenzene	13.23	119	277037	19.425	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	341538	19.642	ug/l	98
85) sec-Butylbenzene	13.40	105	396955	19.318	ug/l	99
86) p-Isopropyltoluene	13.52	119	368981	19.951	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	171839	18.710	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	174621	18.943	ug/l	97
89) n-Butylbenzene	13.85	91	344083	19.092	ug/l	100
90) Hexachloroethane	14.11	117	75723	19.002	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	152682	19.020	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12139	19.493	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98734	20.494	ug/l	97
94) Hexachlorobutadiene	15.27	225	55238	19.085	ug/l	94
95) Naphthalene	15.41	128	183799	21.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	84438	20.557	ug/l	98

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

