

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063895.D
 Acq On : 07 Oct 2019 12:22
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:45:59 PM

Quant Time: Oct 08 17:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	211639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	330434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	322254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	95492	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.92	113	99854	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.34	98	408134	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	133539	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26008	17.328	ug/l	95
3) Chloromethane	2.21	50	86106	18.477	ug/l	96
4) Vinyl Chloride	2.34	62	95414	19.669	ug/l	96
5) Bromomethane	2.76	94	54220	17.386	ug/l	96
6) Chloroethane	2.91	64	60079	18.727	ug/l	93
7) Trichlorofluoromethane	3.27	101	120926	18.855	ug/l	95
8) Diethyl Ether	3.71	74	20192	19.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	35603	20.054	ug/l	94
10) Methyl Iodide	4.29	142	43974	17.976	ug/l	99
11) Tert butyl alcohol	5.25	59	14934	99.500	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	34990	19.727	ug/l	93
13) Acrolein	3.93	56	17409	94.600	ug/l	99
14) Allyl chloride	4.70	41	55949	18.973	ug/l	99
15) Acrylonitrile	5.43	53	43648	96.170	ug/l	98
16) Acetone	4.16	43	44883	83.667	ug/l	98
17) Carbon Disulfide	4.40	76	119462	18.528	ug/l	99
18) Methyl Acetate	4.72	43	20251	19.301	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	87983	19.156	ug/l	95
20) Methylene Chloride	4.96	84	52248	20.153	ug/l #	84
21) trans-1,2-Dichloroethene	5.47	96	43410	19.660	ug/l	99
22) Diisopropyl ether	6.37	45	119252	19.801	ug/l	97
23) Vinyl Acetate	6.31	43	352214	98.308	ug/l	100
24) 1,1-Dichloroethane	6.26	63	69494	18.733	ug/l	97
25) 2-Butanone	7.22	43	60011	94.394	ug/l #	82
26) 2,2-Dichloropropane	7.21	77	65671	19.570	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	46607	18.648	ug/l	99
28) Bromochloromethane	7.55	49	23389	17.829	ug/l	96
29) Tetrahydrofuran	7.57	42	35496	95.657	ug/l	95
30) Chloroform	7.71	83	77874	19.328	ug/l	98
31) Cyclohexane	7.98	56	65452	18.854	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	65972	19.088	ug/l	98
36) 1,1-Dichloropropene	8.11	75	59443	19.675	ug/l	96
37) Ethyl Acetate	7.30	43	26079	19.059	ug/l	99
38) Carbon Tetrachloride	8.10	117	60580	19.842	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71886	19.351	ug/l	91
40) Benzene	8.35	78	175001	20.213	ug/l	97
41) Methacrylonitrile	7.53	41	11709	16.716	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	46591	18.603	ug/l	100
43) Isopropyl Acetate	8.46	43	51438	20.301	ug/l	94
44) Trichloroethene	9.11	130	49179	19.698	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42021	19.829	ug/l	93
46) Dibromomethane	9.47	93	23984	19.873	ug/l	98
47) Bromodichloromethane	9.67	83	60127	19.350	ug/l	99
48) Methyl methacrylate	9.46	41	22572	18.593	ug/l	97
49) 1,4-Dioxane	9.47	88	6508	395.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	131961	100.424	ug/l	96
52) Toluene	10.40	92	114464	19.259	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	56806	18.735	ug/l #	89
54) cis-1,3-Dichloropropene	10.09	75	67384	19.306	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	35083	20.588	ug/l	95
56) Ethyl methacrylate	10.66	69	40982	18.991	ug/l	93
57) 1,3-Dichloropropane	10.94	76	57562	19.743	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	84983	91.618	ug/l	98
59) 2-Hexanone	10.99	43	91281	96.031	ug/l	96
60) Dibromochloromethane	11.14	129	44258	19.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32187	19.483	ug/l	95
64) Tetrachloroethene	10.88	164	43297	19.681	ug/l	88
65) Chlorobenzene	11.67	112	131648	20.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	46260	19.399	ug/l	97
67) Ethyl Benzene	11.74	91	231153	19.808	ug/l	96
68) m/p-Xylenes	11.86	106	179524	39.856	ug/l	100
69) o-Xylene	12.18	106	82969	19.237	ug/l	96
70) Styrene	12.19	104	144198	19.749	ug/l	97
71) Bromoform	12.36	173	24378	19.048	ug/l #	97
73) Isopropylbenzene	12.48	105	220912	19.374	ug/l	98
74) N-amyl acetate	12.29	43	49678	20.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	40206	20.263	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24154m	21.261	ug/l	
77) Bromobenzene	12.76	156	55437	19.514	ug/l	97
78) n-propylbenzene	12.82	91	273174	20.410	ug/l	100
79) 2-Chlorotoluene	12.91	91	146741	19.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191578	20.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11327	17.644	ug/l #	82
82) 4-Chlorotoluene	13.01	91	156160	19.947	ug/l	100
83) tert-Butylbenzene	13.22	119	160966	19.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	193373	19.718	ug/l	99
85) sec-Butylbenzene	13.40	105	231491	20.247	ug/l	97
86) p-Isopropyltoluene	13.51	119	217647	20.117	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	106440	18.962	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	110353	19.927	ug/l	99
89) n-Butylbenzene	13.84	91	204896	20.346	ug/l	99
90) Hexachloroethane	14.11	117	38944	20.014	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	94711	19.579	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6941	21.094	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70602	18.915	µg/l	96
94) Hexachlorobutadiene	15.27	225	38286	18.588	µg/l	91
95) Naphthalene	15.40	128	125338	19.979	µg/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	59841	18.582	µg/l	93

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

