

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061959.D
 Acq On : 23 Apr 2019 2:08
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:35:21 AM

Quant Time: Apr 23 09:22:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	550381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	951938	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	814966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	373477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	463912	100.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.14%	
35) Dibromofluoromethane	6.93	113	661296	91.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.90%	
50) Toluene-d8	10.42	98	1625051	95.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.72%	
62) 4-Bromofluorobenzene	13.56	95	678166	98.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	529111	98.496	ug/l	98
3) Chloromethane	1.75	50	423798	98.992	ug/l	96
4) Vinyl Chloride	1.85	62	402499	94.732	ug/l	100
5) Bromomethane	2.15	94	94621	103.448	ug/l	96
6) Chloroethane	2.26	64	136718	94.323	ug/l	100
7) Trichlorofluoromethane	2.53	101	573299	83.196	ug/l	98
8) Diethyl Ether	2.88	74	159459	88.298	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	546727	88.981	ug/l	98
10) Methyl Iodide	3.31	142	931626	91.816	ug/l	98
11) Tert butyl alcohol	4.08	59	134735	495.308	ug/l	99
12) 1,1-Dichloroethene	3.13	96	451082	87.326	ug/l	99
13) Acrolein	3.04	56	147409	559.764	ug/l	96
14) Allyl chloride	3.63	41	663983	94.305	ug/l	98
15) Acrylonitrile	4.21	53	405141	474.412	ug/l	98
16) Acetone	3.22	43	466502	410.342	ug/l	97
17) Carbon Disulfide	3.38	76	1352965	81.065	ug/l	100
18) Methyl Acetate	3.64	43	227472	99.829	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	946346	98.171	ug/l	97
20) Methylene Chloride	3.82	84	518736	96.018	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	493129	86.868	ug/l	95
22) Diisopropyl ether	5.13	45	1413896	93.945	ug/l	98
23) Vinyl Acetate	5.06	43	3964543	492.773	ug/l	100
24) 1,1-Dichloroethane	4.98	63	872756	95.644	ug/l	98
25) 2-Butanone	6.08	43	624363	482.401	ug/l	98
26) 2,2-Dichloropropane	6.03	77	701933	88.997	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	567361	92.196	ug/l	99
28) Bromochloromethane	6.44	49	323310	93.280	ug/l	93
29) Tetrahydrofuran	6.46	42	317014	502.827	ug/l	98
30) Chloroform	6.67	83	982666	96.550	ug/l	100
31) Cyclohexane	6.96	56	647428	92.683	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	912128	101.099	ug/l	98
36) 1,1-Dichloropropene	7.15	75	691500	88.895	ug/l	98
37) Ethyl Acetate	6.18	43	324612	97.502	ug/l	97
38) Carbon Tetrachloride	7.12	117	888278m	90.433	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	690234	85.448	ug/l	98
40) Benzene	7.46	78	1740509	93.198	ug/l	98
41) Methacrylonitrile	6.45	41	372789	94.735	ug/l	93
42) 1,2-Dichloroethane	7.58	62	666281	102.439	ug/l	99
43) Isopropyl Acetate	9.25	43	521705	111.354	ug/l #	96
44) Trichloroethene	8.55	130	689991	95.975	ug/l	99
45) 1,2-Dichloropropane	8.94	63	463859	95.356	ug/l	96
46) Dibromomethane	9.07	93	360911	104.125	ug/l	96
47) Bromodichloromethane	9.38	83	797967	99.791	ug/l	98
48) Methyl methacrylate	9.12	41	273251	99.221	ug/l	96
49) 1,4-Dioxane	9.09	88	64894	2155.862	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1559434	544.284	ug/l	99
52) Toluene	10.52	92	1113657	93.056	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	759825	105.453	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	805113	95.191	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	427419	105.989	ug/l	96
56) Ethyl methacrylate	11.05	69	506441	114.424	ug/l	98
57) 1,3-Dichloropropane	11.41	76	690395	113.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	956034	454.128	ug/l	98
59) 2-Hexanone	11.53	43	1179435	554.249	ug/l	99
60) Dibromochloromethane	11.69	129	735730	111.500	ug/l	99
61) 1,2-Dibromoethane	11.81	107	548709	110.658	ug/l	95
64) Tetrachloroethene	11.26	164	594693	97.301	ug/l	98
65) Chlorobenzene	12.41	112	1517433	99.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	638818	100.437	ug/l	97
67) Ethyl Benzene	12.52	91	2232413	91.847	ug/l	99
68) m/p-Xylenes	12.67	106	1628258	178.342	ug/l	100
69) o-Xylene	13.06	106	792405	92.339	ug/l	98
70) Styrene	13.08	104	1363388	92.324	ug/l	99
71) Bromoform	13.23	173	409966	108.589	ug/l	99
73) Isopropylbenzene	13.41	105	2113702	87.266	ug/l	97
74) N-amyl acetate	13.26	43	595194	91.383	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	503736	105.214	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	475830	97.014	ug/l	99
77) Bromobenzene	13.68	156	670222	97.411	ug/l	96
78) n-propylbenzene	13.77	91	2478507	88.568	ug/l	100
79) 2-Chlorotoluene	13.84	91	1524345	93.246	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1731847	90.113	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	151143	92.079	ug/l	99
82) 4-Chlorotoluene	13.95	91	1627889	86.998	ug/l	99
83) tert-Butylbenzene	14.19	119	2103862	93.231	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1758164	91.009	ug/l	99
85) sec-Butylbenzene	14.37	105	2281242	97.789	ug/l	99
86) p-Isopropyltoluene	14.49	119	1925158	88.201	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1200911	99.981	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1122066	94.503	ug/l	96
89) n-Butylbenzene	14.80	91	1629828	84.356	ug/l	97
90) Hexachloroethane	15.01	117	573661	96.427	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	894019	88.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	78719	92.967	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	507666	91.869	ug/l	98
94) Hexachlorobutadiene	16.04	225	379942	94.876	ug/l	99
95) Naphthalene	16.13	128	822865	97.152	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	271672	86.270	ug/l	96

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

