

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064729.D
 Acq On : 03 Jan 2020 12:44
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS01

Manual Integrations
 APPROVED

apatel

1/6/2020 10:49:53 AM

Quant Time: Jan 03 16:47:08 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	421929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	608894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	538783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172378	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
35) Dibromofluoromethane	7.92	113	171269	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	10.34	98	652259	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.64	95	203082	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64709	19.734	ug/l	99
3) Chloromethane	2.21	50	95730	20.875	ug/l	96
4) Vinyl Chloride	2.35	62	113823	20.357	ug/l	98
5) Bromomethane	2.76	94	80573	19.819	ug/l	96
6) Chloroethane	2.91	64	78334	20.908	ug/l	99
7) Trichlorofluoromethane	3.27	101	193864	20.592	ug/l	98
8) Diethyl Ether	3.71	74	38013	20.333	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	78885	20.232	ug/l	98
10) Methyl Iodide	4.29	142	79294	18.933	ug/l	98
11) Tert butyl alcohol	5.26	59	19691m	92.349	ug/l	
12) 1,1-Dichloroethene	4.06	96	75666	20.384	ug/l	87
13) Acrolein	3.93	56	25339	85.270	ug/l	96
14) Allyl chloride	4.71	41	116437	20.118	ug/l	99
15) Acrylonitrile	5.43	53	80536	103.419	ug/l	98
16) Acetone	4.16	43	86177	105.171	ug/l	99
17) Carbon Disulfide	4.39	76	231677	19.302	ug/l	98
18) Methyl Acetate	4.73	43	44084	21.046	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170326	20.658	ug/l	91
20) Methylene Chloride	4.96	84	93260	21.748	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	86608	20.487	ug/l	88
22) Diisopropyl ether	6.37	45	242865	21.039	ug/l	99
23) Vinyl Acetate	6.31	43	669787	102.283	ug/l	99
24) 1,1-Dichloroethane	6.26	63	144690	20.878	ug/l	98
25) 2-Butanone	7.22	43	108626	106.217	ug/l	94
26) 2,2-Dichloropropane	7.21	77	133052	20.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93572	20.509	ug/l	99
28) Bromochloromethane	7.55	49	50901	18.895	ug/l	98
29) Tetrahydrofuran	7.57	42	67811	106.624	ug/l	96
30) Chloroform	7.71	83	149338	20.539	ug/l	98
31) Cyclohexane	7.99	56	136627	19.695	ug/l	# 91
32) 1,1,1-Trichloroethane	7.90	97	142270	20.832	ug/l	100
36) 1,1-Dichloropropene	8.11	75	119025	20.309	ug/l	99
37) Ethyl Acetate	7.30	43	47067	20.443	ug/l	98
38) Carbon Tetrachloride	8.10	117	125943	20.154	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142381	20.059	ug/l	96
40) Benzene	8.35	78	324973	20.312	ug/l	99
41) Methacrylonitrile	7.53	41	28890	21.627	ug/l	94
42) 1,2-Dichloroethane	8.43	62	98564	21.319	ug/l	100
43) Isopropyl Acetate	8.46	43	93435	20.389	ug/l	99
44) Trichloroethene	9.11	130	95152	20.245	ug/l	90
45) 1,2-Dichloropropane	9.39	63	79165	20.724	ug/l	96
46) Dibromomethane	9.48	93	44197	20.752	ug/l	98
47) Bromodichloromethane	9.67	83	117479	20.730	ug/l	98
48) Methyl methacrylate	9.46	41	43719	20.261	ug/l	92
49) 1,4-Dioxane	9.47	88	9858	401.429	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	232771	102.765	ug/l	100
52) Toluene	10.41	92	212929	20.286	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110651	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	129753	20.827	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58714	20.457	ug/l	96
56) Ethyl methacrylate	10.67	69	71679	19.997	ug/l	97
57) 1,3-Dichloropropane	10.95	76	102277	20.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	143178	104.842	ug/l	99
59) 2-Hexanone	10.99	43	160817	104.606	ug/l	100
60) Dibromochloromethane	11.14	129	81152	20.446	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57776	20.409	ug/l	99
64) Tetrachloroethene	10.87	164	83673	20.243	ug/l	98
65) Chlorobenzene	11.67	112	225286	20.147	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	87005	20.639	ug/l	98
67) Ethyl Benzene	11.75	91	405847	19.996	ug/l	96
68) m/p-Xylenes	11.86	106	311161	39.719	ug/l	98
69) o-Xylene	12.18	106	138642	19.593	ug/l	96
70) Styrene	12.20	104	249961	20.125	ug/l	99
71) Bromoform	12.37	173	48887	20.335	ug/l #	99
73) Isopropylbenzene	12.48	105	388035	20.138	ug/l	99
74) N-amyl acetate	12.30	43	85165	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	64026	21.152	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	40297m	18.925	ug/l	
77) Bromobenzene	12.77	156	95775	20.228	ug/l	97
78) n-propylbenzene	12.83	91	456154	20.292	ug/l	100
79) 2-Chlorotoluene	12.91	91	249020	20.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	315510	19.933	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20691	20.324	ug/l	96
82) 4-Chlorotoluene	13.01	91	269069	20.474	ug/l	99
83) tert-Butylbenzene	13.23	119	278419	20.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	319073	20.240	ug/l	98
85) sec-Butylbenzene	13.41	105	378677	20.098	ug/l	98
86) p-Isopropyltoluene	13.53	119	354970	19.703	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182778	20.250	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177478	20.016	ug/l	97
89) n-Butylbenzene	13.85	91	332428	20.490	ug/l	99
90) Hexachloroethane	14.12	117	70295	20.426	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155537	20.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10260	20.909	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111496	19.675	ug/l	100
94) Hexachlorobutadiene	15.28	225	69942	19.613	ug/l	98
95) Naphthalene	15.41	128	174323	19.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95070	19.651	ug/l	99

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

