

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001091.D
 Acq On : 27 Dec 2019 12:46
 Operator : SY/MD
 Sample : VY1227SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:33:44 PM

Quant Time: Dec 28 04:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	538077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	475815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	219259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	144876	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	7.73	113	153256	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.18	98	643089	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.48	95	207975	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	55333	20.426	ug/l	99
3) Chloromethane	2.12	50	67636	18.345	ug/l	98
4) Vinyl Chloride	2.25	62	65635	18.331	ug/l	99
5) Bromomethane	2.64	94	43964	18.602	ug/l	98
6) Chloroethane	2.79	64	43408	19.465	ug/l #	85
7) Trichlorofluoromethane	3.13	101	105095	20.012	ug/l	93
8) Diethyl Ether	3.54	74	42625	19.883	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	71381	20.692	ug/l	98
10) Methyl Iodide	4.10	142	91447	19.186	ug/l	100
11) Tert butyl alcohol	4.96	59	33545	99.499	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	72063	20.633	ug/l	99
13) Acrolein	3.74	56	38791	92.863	ug/l	97
14) Allyl chloride	4.49	41	102493	18.890	ug/l	98
15) Acrylonitrile	5.18	53	107260	100.113	ug/l	98
16) Acetone	3.96	43	72661	102.865	ug/l	99
17) Carbon Disulfide	4.20	76	226219	19.822	ug/l	98
18) Methyl Acetate	4.49	43	51202	18.894	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	176531	19.583	ug/l	100
20) Methylene Chloride	4.72	84	85883	20.656	ug/l	90
21) trans-1,2-Dichloroethene	5.23	96	79085	20.432	ug/l	97
22) Diisopropyl ether	6.13	45	207569	18.927	ug/l	98
23) Vinyl Acetate	6.07	43	645851	93.251	ug/l	97
24) 1,1-Dichloroethane	6.02	63	126948	19.588	ug/l	97
25) 2-Butanone	7.00	43	119417	96.233	ug/l	97
26) 2,2-Dichloropropane	6.99	77	104184	19.567	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	86564	20.356	ug/l	96
28) Bromochloromethane	7.34	49	44955	17.778	ug/l	96
29) Tetrahydrofuran	7.36	42	80680	91.402	ug/l	94
30) Chloroform	7.52	83	121533	19.832	ug/l	95
31) Cyclohexane	7.79	56	129142	18.950	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	100581	19.240	ug/l	98
36) 1,1-Dichloropropene	7.93	75	102744	20.016	ug/l	99
37) Ethyl Acetate	7.09	43	55001	19.351	ug/l	98
38) Carbon Tetrachloride	7.91	117	89642	19.932	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	140025	20.541	ug/l	95
40) Benzene	8.17	78	314922	20.336	ug/l	97
41) Methacrylonitrile	7.32	41	21595m	17.524	ug/l	
42) 1,2-Dichloroethane	8.25	62	72425	19.561	ug/l	98
43) Isopropyl Acetate	8.28	43	97889	18.604	ug/l	96
44) Trichloroethene	8.94	130	83117	20.370	ug/l	98
45) 1,2-Dichloropropane	9.22	63	74982	19.301	ug/l	98
46) Dibromomethane	9.31	93	40704	20.325	ug/l	99
47) Bromodichloromethane	9.50	83	89025	19.191	ug/l	100
48) Methyl methacrylate	9.30	41	43292	19.281	ug/l	95
49) 1,4-Dioxane	9.30	88	11424	389.957	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	257648	93.949	ug/l	96
52) Toluene	10.24	92	191914	20.134	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	98239	19.513	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	119424	19.727	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	60683	20.297	ug/l	92
56) Ethyl methacrylate	10.51	69	82772	19.452	ug/l	96
57) 1,3-Dichloropropane	10.79	76	101340	19.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	168638	102.610	ug/l	99
59) 2-Hexanone	10.83	43	174327	91.868	ug/l	96
60) Dibromochloromethane	10.99	129	63149	19.774	ug/l	98
61) 1,2-Dibromoethane	11.09	107	57309	20.045	ug/l	98
64) Tetrachloroethene	10.72	164	89038	21.627	ug/l	93
65) Chlorobenzene	11.52	112	202408	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	65873	20.224	ug/l	99
67) Ethyl Benzene	11.59	91	359016	20.223	ug/l	100
68) m/p-Xylenes	11.70	106	275937	40.936	ug/l	98
69) o-Xylene	12.03	106	129065	20.353	ug/l	100
70) Styrene	12.04	104	221872	20.577	ug/l	98
71) Bromoform	12.20	173	35648	19.656	ug/l #	96
73) Isopropylbenzene	12.33	105	337984	19.920	ug/l	99
74) N-amyl acetate	12.14	43	79414	17.816	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	64687	19.353	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	45970m	17.007	ug/l	
77) Bromobenzene	12.61	156	75058	19.669	ug/l	99
78) n-propylbenzene	12.67	91	413635	20.007	ug/l	100
79) 2-Chlorotoluene	12.75	91	221399	19.391	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	277779	19.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24985	19.714	ug/l	97
82) 4-Chlorotoluene	12.85	91	233784	19.714	ug/l	98
83) tert-Butylbenzene	13.07	119	241608	20.695	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	277875	19.882	ug/l	100
85) sec-Butylbenzene	13.25	105	342491	19.899	ug/l	99
86) p-Isopropyltoluene	13.37	119	296153	19.886	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	147685	20.151	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	150527	20.360	ug/l	100
89) n-Butylbenzene	13.69	91	299883	20.014	ug/l	98
90) Hexachloroethane	13.96	117	55747	19.868	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	135512	20.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10700	19.133	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	91126	19.969	ug/l	99
94) Hexachlorobutadiene	15.11	225	43075	19.836	ug/l	100
95) Naphthalene	15.23	128	211809	19.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	80807	19.857	ug/l	100

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

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