

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000972.D
 Acq On : 17 Dec 2019 12:53
 Operator : SY/MD
 Sample : VY1217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:55 PM

Quant Time: Dec 18 06:04:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	278998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	489256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	436341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	207906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	148236	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.72	113	147581	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.18	98	618419	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
62) 4-Bromofluorobenzene	12.48	95	210151	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	51500	17.148	ug/l	96
3) Chloromethane	2.12	50	67219	18.157	ug/l	98
4) Vinyl Chloride	2.25	62	65477	17.946	ug/l	95
5) Bromomethane	2.63	94	43205	18.132	ug/l	100
6) Chloroethane	2.79	64	40417	18.067	ug/l	93
7) Trichlorofluoromethane	3.12	101	91482	18.295	ug/l	97
8) Diethyl Ether	3.53	74	37293	19.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59579	19.295	ug/l	98
10) Methyl Iodide	4.09	142	67355	17.325	ug/l	98
11) Tert butyl alcohol	4.97	59	29517	98.964	ug/l #	90
12) 1,1-Dichloroethene	3.87	96	58814	19.226	ug/l	98
13) Acrolein	3.73	56	25064	85.308	ug/l	97
14) Allyl chloride	4.49	41	99454	18.961	ug/l	99
15) Acrylonitrile	5.18	53	93368	96.077	ug/l	100
16) Acetone	3.95	43	63923	93.994	ug/l	96
17) Carbon Disulfide	4.19	76	177871	17.978	ug/l	96
18) Methyl Acetate	4.47	43	53405	18.781	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	159027	19.466	ug/l	99
20) Methylene Chloride	4.71	84	77564	21.637	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	66800	19.212	ug/l	89
22) Diisopropyl ether	6.13	45	210354	19.512	ug/l	97
23) Vinyl Acetate	6.07	43	639671	97.601	ug/l	99
24) 1,1-Dichloroethane	6.02	63	114098	19.202	ug/l	99
25) 2-Butanone	6.99	43	113240	90.139	ug/l	95
26) 2,2-Dichloropropane	6.99	77	95324	19.061	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	73485	19.552	ug/l	98
28) Bromochloromethane	7.34	49	29186	14.872	ug/l	95
29) Tetrahydrofuran	7.36	42	79821	95.884	ug/l	99
30) Chloroform	7.52	83	111876	18.769	ug/l	92
31) Cyclohexane	7.79	56	115182	18.299	ug/l	88
32) 1,1,1-Trichloroethane	7.71	97	97098	19.727	ug/l	97
36) 1,1-Dichloropropene	7.92	75	91483	18.806	ug/l	99
37) Ethyl Acetate	7.08	43	52738	18.775	ug/l	99
38) Carbon Tetrachloride	7.90	117	81357	18.779	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	122844	19.060	ug/l	96
40) Benzene	8.16	78	276207	19.492	ug/l	98
41) Methacrylonitrile	7.32	41	21852m	14.760	ug/l	
42) 1,2-Dichloroethane	8.24	62	69793	18.729	ug/l	99
43) Isopropyl Acetate	8.28	43	97473	18.414	ug/l	99
44) Trichloroethene	8.94	130	71119	19.529	ug/l	95
45) 1,2-Dichloropropane	9.22	63	71203	20.005	ug/l	97
46) Dibromomethane	9.30	93	35907	19.308	ug/l	98
47) Bromodichloromethane	9.50	83	82896	18.975	ug/l #	96
48) Methyl methacrylate	9.30	41	40840	17.545	ug/l	94
49) 1,4-Dioxane	9.30	88	10238	388.536	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	261950	95.778	ug/l	98
52) Toluene	10.24	92	169699	19.342	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	89316	19.029	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	106858	19.261	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	52142	18.978	ug/l	96
56) Ethyl methacrylate	10.51	69	73908	18.804	ug/l	99
57) 1,3-Dichloropropane	10.79	76	93654	19.557	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	172182	108.645	ug/l	100
59) 2-Hexanone	10.83	43	177786	89.210	ug/l	98
60) Dibromochloromethane	10.99	129	55535	18.776	ug/l	100
61) 1,2-Dibromoethane	11.08	107	49478	19.108	ug/l	99
64) Tetrachloroethene	10.71	164	77130	20.345	ug/l	92
65) Chlorobenzene	11.51	112	174221	19.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	58847	19.252	ug/l	98
67) Ethyl Benzene	11.59	91	328421	19.443	ug/l	99
68) m/p-Xylenes	11.70	106	247464	39.031	ug/l	98
69) o-Xylene	12.03	106	115780	19.585	ug/l	98
70) Styrene	12.04	104	195528	19.316	ug/l	99
71) Bromoform	12.20	173	32291	18.731	ug/l #	96
73) Isopropylbenzene	12.33	105	308318	18.625	ug/l	99
74) N-amyl acetate	12.14	43	84536	18.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	59656	18.290	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	50770m	21.553	ug/l	
77) Bromobenzene	12.61	156	68177	19.000	ug/l	96
78) n-propylbenzene	12.67	91	379343	18.768	ug/l	100
79) 2-Chlorotoluene	12.75	91	207634	18.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	256364	18.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21459	17.895	ug/l	96
82) 4-Chlorotoluene	12.85	91	217645	18.918	ug/l	100
83) tert-Butylbenzene	13.07	119	207469	18.004	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	254029	18.525	ug/l	98
85) sec-Butylbenzene	13.25	105	318804	19.023	ug/l	99
86) p-Isopropyltoluene	13.37	119	279181	19.152	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	134619	19.124	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	133982	19.223	ug/l	99
89) n-Butylbenzene	13.69	91	284016	19.271	ug/l	98
90) Hexachloroethane	13.95	117	50902	18.956	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	121473	19.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10013	18.337	ug/l	95

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93) 1,2,4-Trichlorobenzene	15.00	180	82885	19.345	ug/l	99
94) Hexachlorobutadiene	15.11	225	41021	19.311	ug/l	99
95) Naphthalene	15.23	128	187763	18.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	72603	18.971	ug/l	99

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

