

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000465.D
 Acq On : 29 Oct 2019 11:38
 Operator : SY/MD
 Sample : VY1029SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:59:48 AM

Quant Time: Oct 30 06:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	206728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	338046	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	305477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	155354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	108792	49.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.78%	
35) Dibromofluoromethane	7.72	113	98834	48.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.94%	
50) Toluene-d8	10.18	98	389428	49.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.48	95	142097	47.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	39546	21.756	ug/l	92
3) Chloromethane	2.12	50	55964	22.154	ug/l	99
4) Vinyl Chloride	2.25	62	51434	20.175	ug/l	99
5) Bromomethane	2.65	94	32702	17.308	ug/l	98
6) Chloroethane	2.79	64	34789	21.149	ug/l	95
7) Trichlorofluoromethane	3.13	101	74988	21.503	ug/l	99
8) Diethyl Ether	3.54	74	27063	21.967	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	44800	21.183	ug/l	97
10) Methyl Iodide	4.09	142	49046	17.081	ug/l	99
11) Tert butyl alcohol	4.97	59	23682	103.774	ug/l #	87
12) 1,1-Dichloroethene	3.87	96	43609	20.887	ug/l	86
13) Acrolein	3.74	56	18350	68.585	ug/l	100
14) Allyl chloride	4.49	41	71259	20.595	ug/l	97
15) Acrylonitrile	5.18	53	71536	103.742	ug/l	96
16) Acetone	3.96	43	68924	97.600	ug/l	91
17) Carbon Disulfide	4.19	76	124667	18.964	ug/l	99
18) Methyl Acetate	4.49	43	39728	22.642	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	125983	21.675	ug/l	99
20) Methylene Chloride	4.72	84	56114	20.361	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	49887	20.826	ug/l	91
22) Diisopropyl ether	6.13	45	162208	22.166	ug/l	95
23) Vinyl Acetate	6.07	43	502585	105.271	ug/l	99
24) 1,1-Dichloroethane	6.03	63	84255	21.093	ug/l	99
25) 2-Butanone	7.00	43	108741	109.310	ug/l	97
26) 2,2-Dichloropropane	6.99	77	80391	21.841	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	58381	22.523	ug/l	96
28) Bromochloromethane	7.35	49	32837	19.150	ug/l	96
29) Tetrahydrofuran	7.36	42	63955	106.082	ug/l	100
30) Chloroform	7.52	83	88471	21.993	ug/l	98
31) Cyclohexane	7.79	56	85163	20.413	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	76240	21.318	ug/l	97
36) 1,1-Dichloropropene	7.93	75	68314	20.641	ug/l	100
37) Ethyl Acetate	7.08	43	40709	20.773	ug/l	99
38) Carbon Tetrachloride	7.91	117	69422	21.664	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	85491	19.736	ug/l	95
40) Benzene	8.17	78	203014	21.226	ug/l	99
41) Methacrylonitrile	7.32	41	27136m	29.090	ug/l	
42) 1,2-Dichloroethane	8.25	62	60275	22.062	ug/l	99
43) Isopropyl Acetate	8.28	43	79102	21.228	ug/l	100
44) Trichloroethene	8.95	130	53572	19.962	ug/l	91
45) 1,2-Dichloropropane	9.22	63	53134	22.637	ug/l	96
46) Dibromomethane	9.31	93	29372	22.385	ug/l	97
47) Bromodichloromethane	9.50	83	68604	22.186	ug/l	99
48) Methyl methacrylate	9.30	41	33829	20.715	ug/l	96
49) 1,4-Dioxane	9.30	88	7956	404.399	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	217733	113.290	ug/l	99
52) Toluene	10.25	92	130139	21.431	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	73464	22.168	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	81212	21.579	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	41913	21.969	ug/l	93
56) Ethyl methacrylate	10.51	69	57229	21.046	ug/l	96
57) 1,3-Dichloropropane	10.79	76	73480	22.427	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	133789	123.350	ug/l	100
59) 2-Hexanone	10.83	43	158224	117.289	ug/l	98
60) Dibromochloromethane	10.99	129	47063	22.257	ug/l	100
61) 1,2-Dibromoethane	11.09	107	40671	22.203	ug/l	98
64) Tetrachloroethene	10.72	164	56976	19.592	ug/l	97
65) Chlorobenzene	11.52	112	136939	21.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	50402	22.256	ug/l	96
67) Ethyl Benzene	11.60	91	249610	20.886	ug/l	97
68) m/p-Xylenes	11.70	106	196769	43.069	ug/l	97
69) o-Xylene	12.03	106	93246	21.394	ug/l	96
70) Styrene	12.04	104	155948	21.216	ug/l	98
71) Bromoform	12.20	173	28143	21.617	ug/l #	97
73) Isopropylbenzene	12.33	105	242733	20.038	ug/l	98
74) N-amyl acetate	12.14	43	70194	23.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	49820	21.905	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	39034m	20.433	ug/l	
77) Bromobenzene	12.61	156	55537	20.603	ug/l	97
78) n-propylbenzene	12.67	91	296937	20.416	ug/l	100
79) 2-Chlorotoluene	12.75	91	160403	19.970	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	201312	19.819	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17114	19.601	ug/l	96
82) 4-Chlorotoluene	12.85	91	171216	20.166	ug/l	96
83) tert-Butylbenzene	13.08	119	173387	20.157	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	202551	20.205	ug/l	97
85) sec-Butylbenzene	13.25	105	256463	20.610	ug/l	100
86) p-Isopropyltoluene	13.37	119	224933	20.734	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	107612	20.262	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	111750	21.052	ug/l	98
89) n-Butylbenzene	13.70	91	218830	20.412	ug/l	100
90) Hexachloroethane	13.96	117	40997	20.408	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	102605	21.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8802	20.406	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	71007	21.219	ug/l	100
94) Hexachlorobutadiene	15.11	225	36179	19.978	ug/l	99
95) Naphthalene	15.23	128	160409	21.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	63263	20.977	ug/l	96

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

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